

Fig. 1

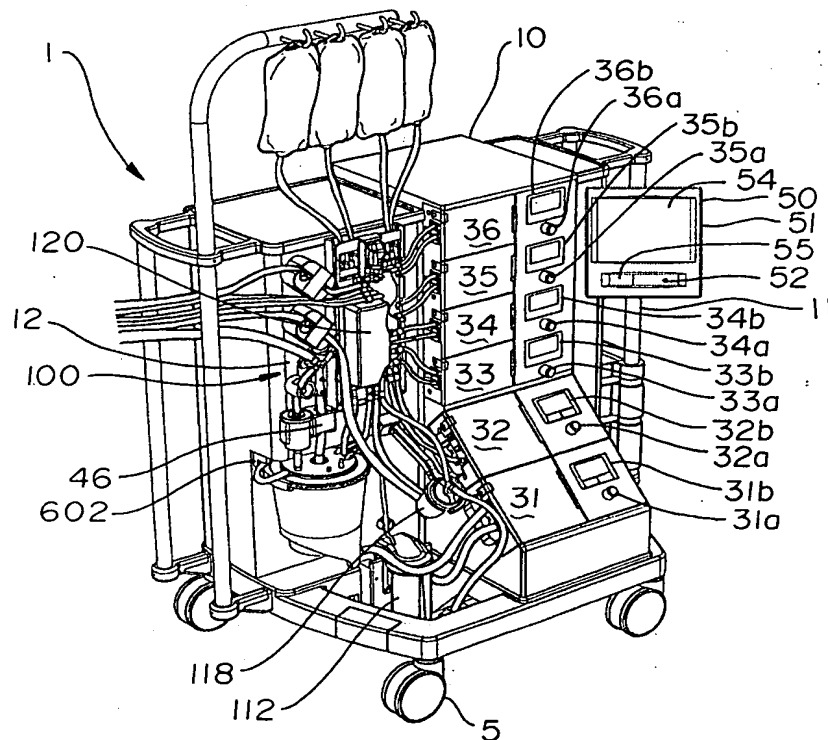


Fig. 2A

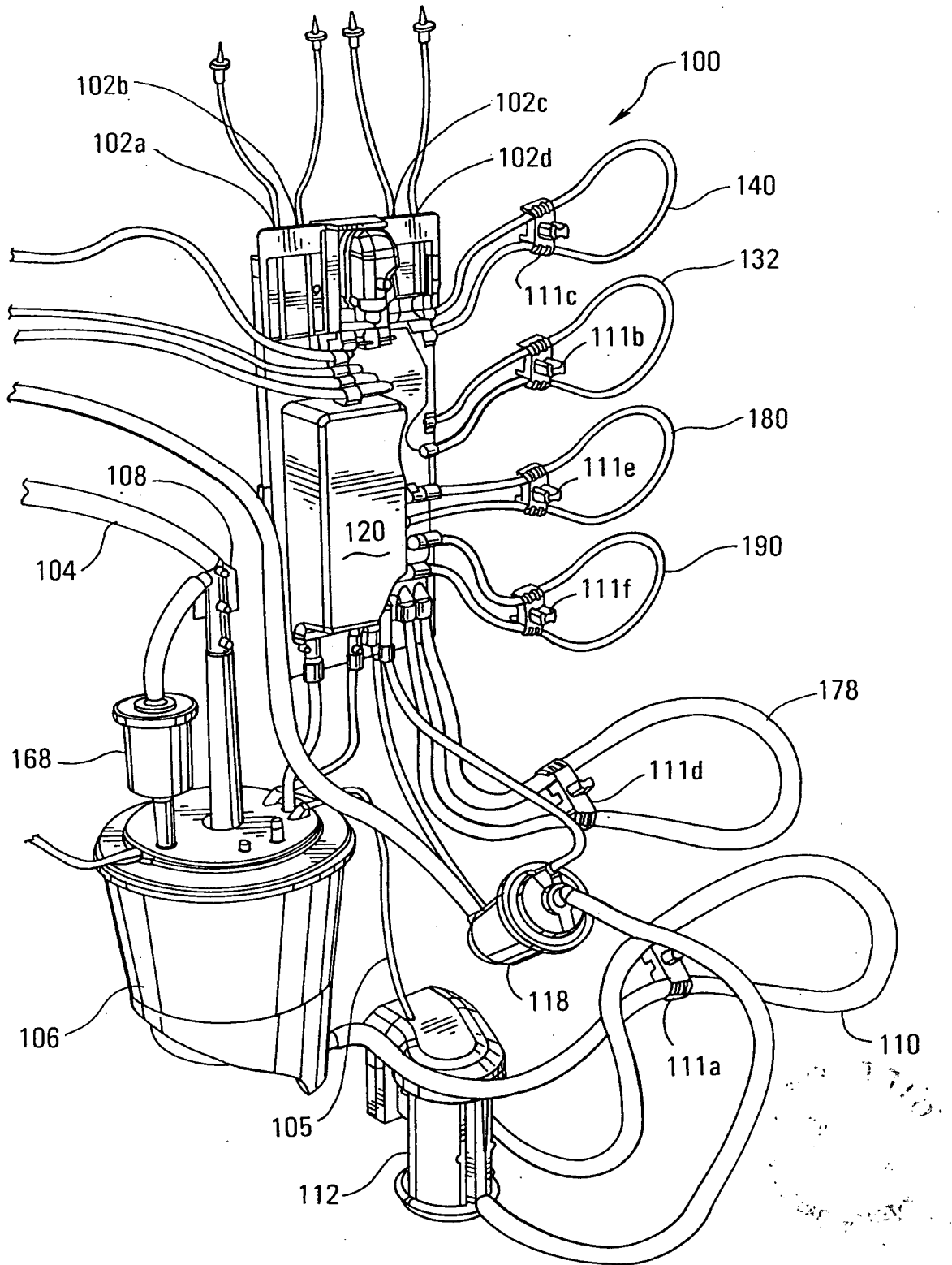


Fig. 2B

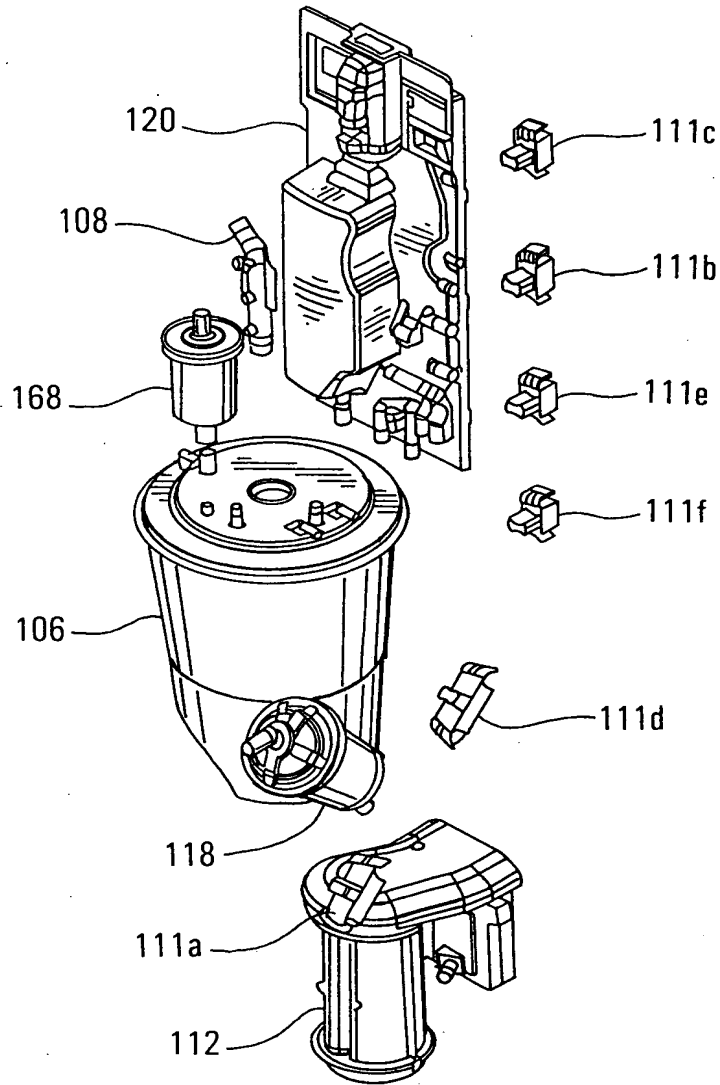


Fig.3A

<i>Fig.3A-1</i>	<i>Fig.3A-2</i>
<i>Fig.3A-3</i>	<i>Fig.3A-4</i>


Fig.3B

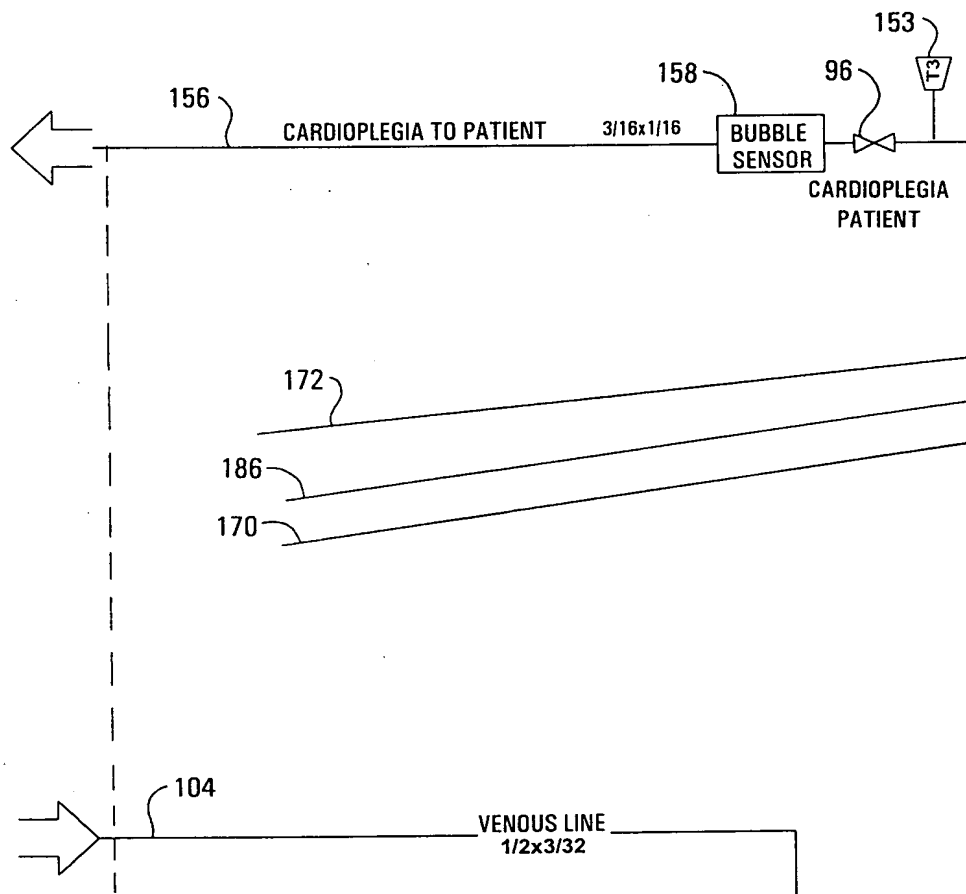
<i>Fig.3B-1</i>	<i>Fig.3B-2</i>
<i>Fig.3B-3</i>	<i>Fig.3B-4</i>

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Fig.3A-1

 = STOPCOCK

 =AUTOMATIC
VALVE



Serial No. 09/963,878
Applicant: Bruce Ellingboe et al.
Attorney Docket: CV0290US
Attorney: Terry L. Wiles
Telephone: (612) 334-8992

Fig.3A-2

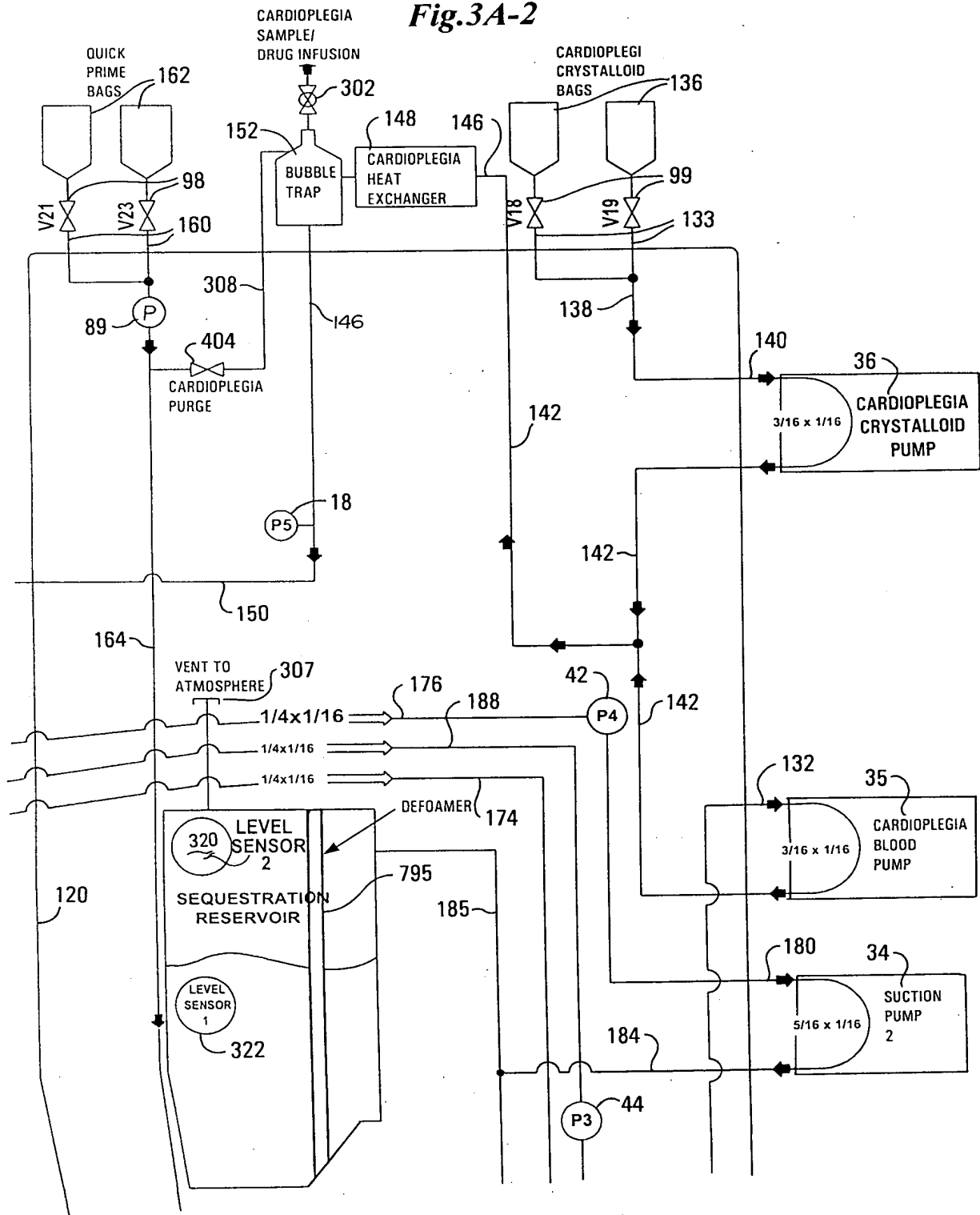
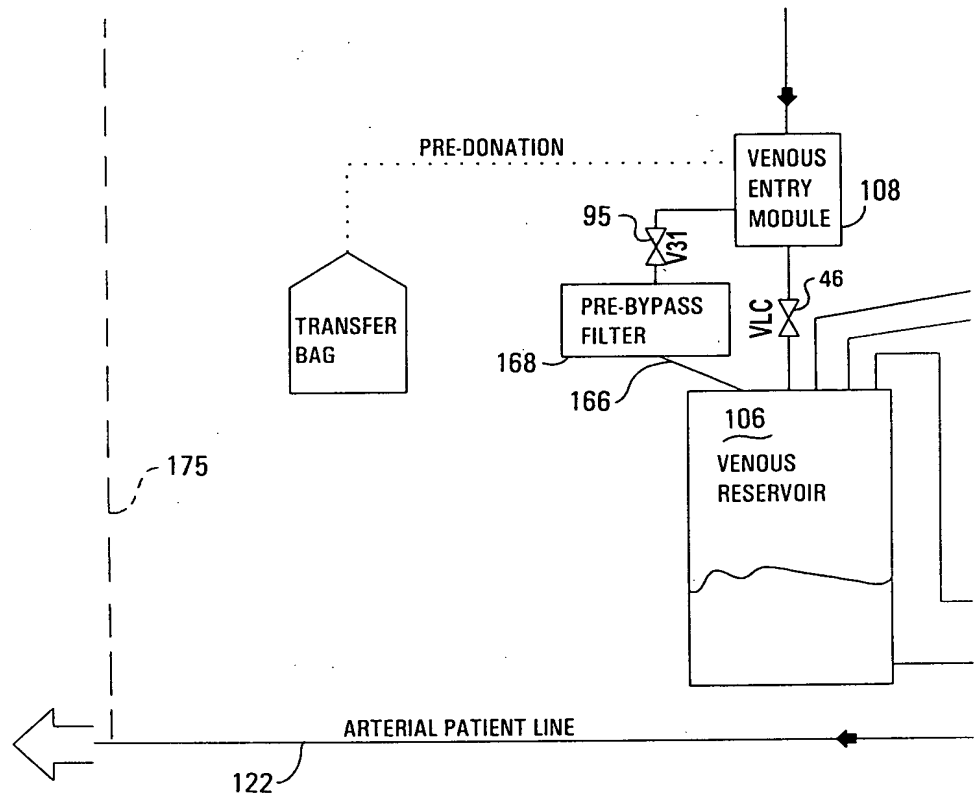


Fig.3A-3

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Fig.3A-4

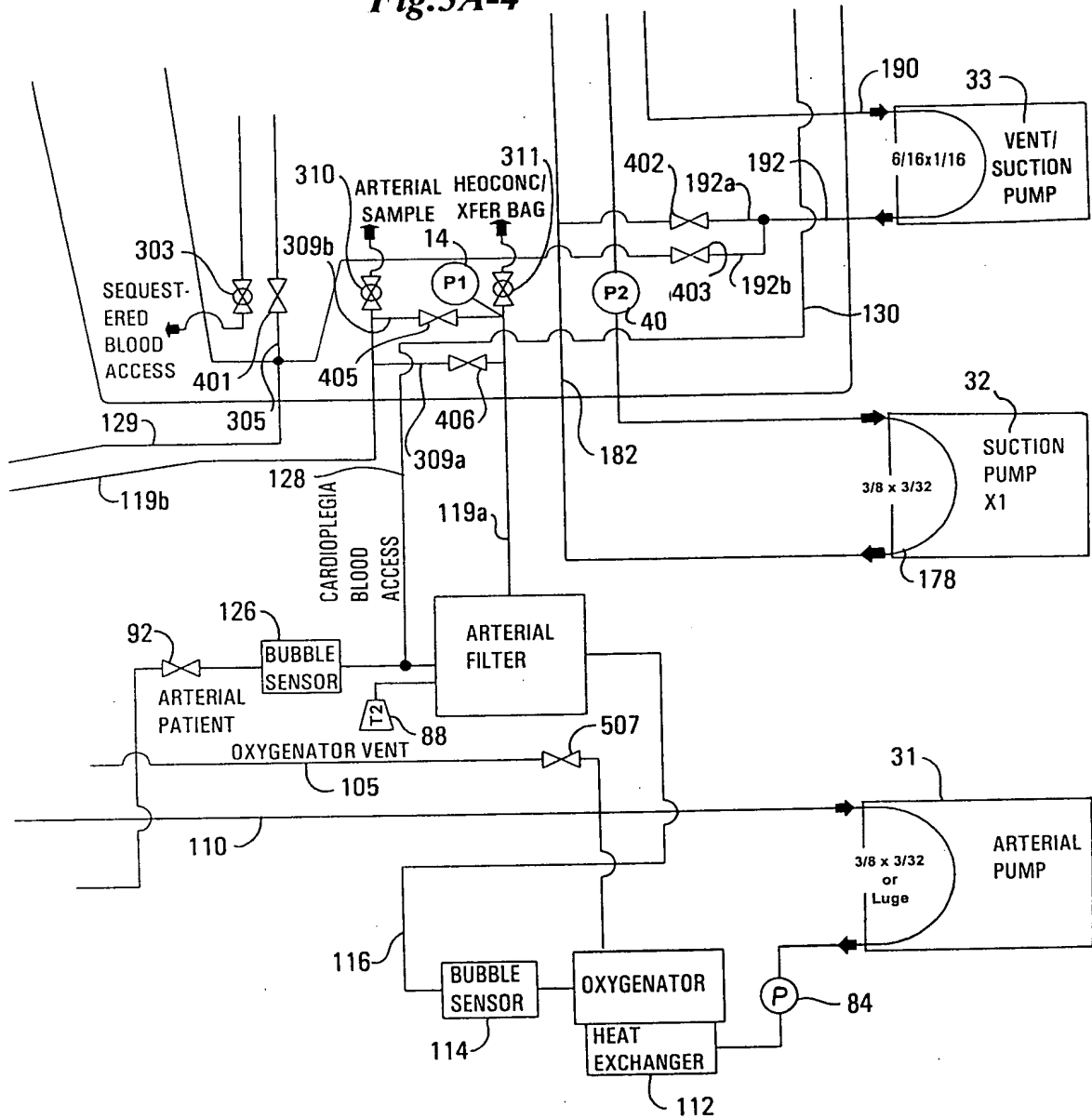
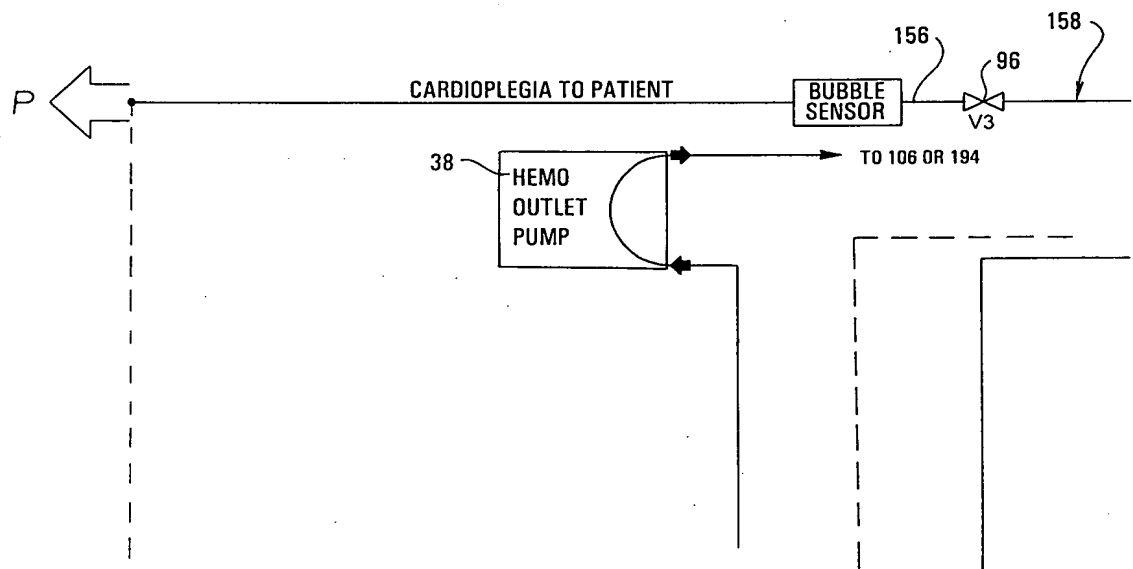
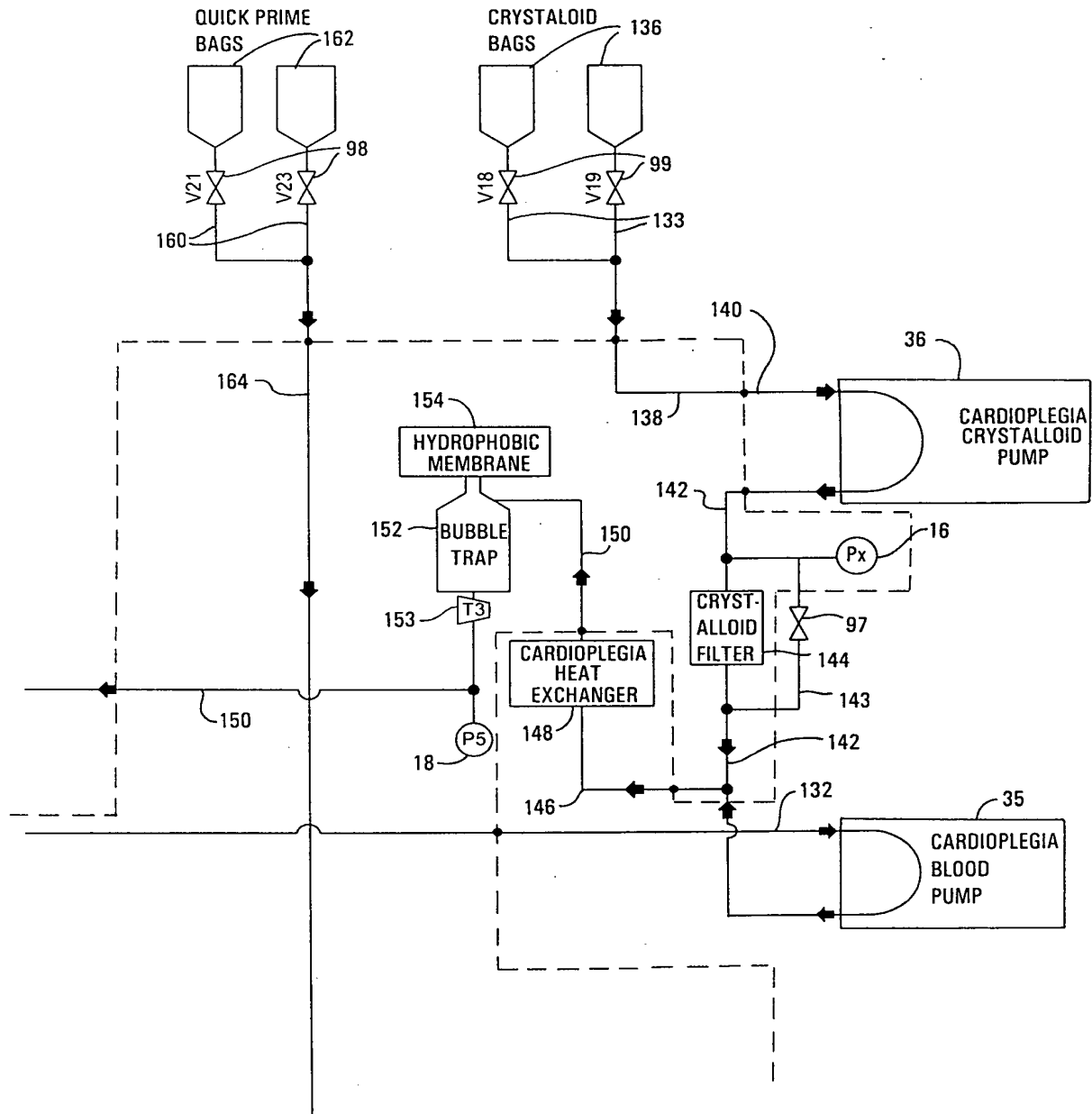


Fig.3B-1

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10/12/83

Fig.3B-2



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Fig.3B-3

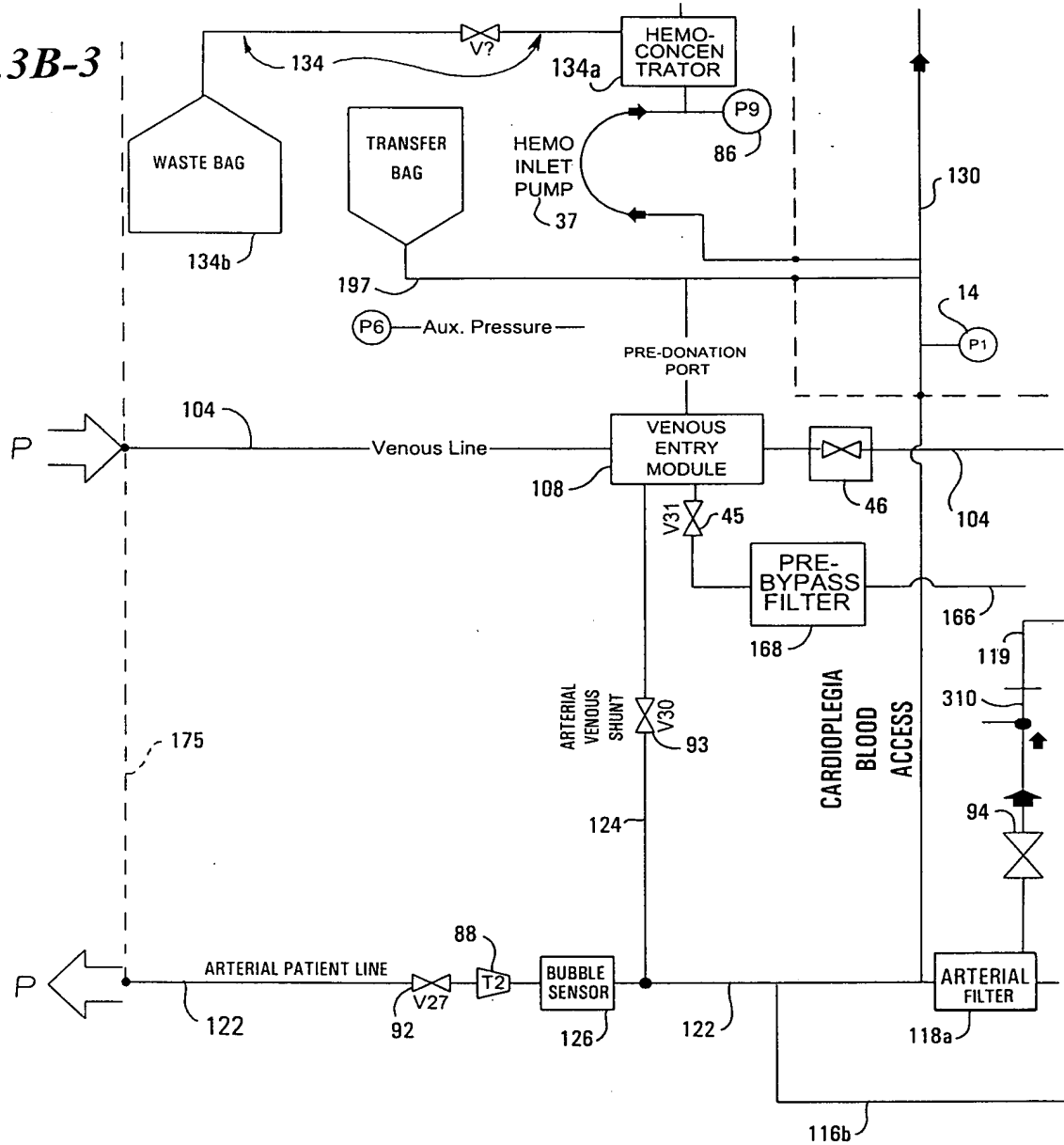
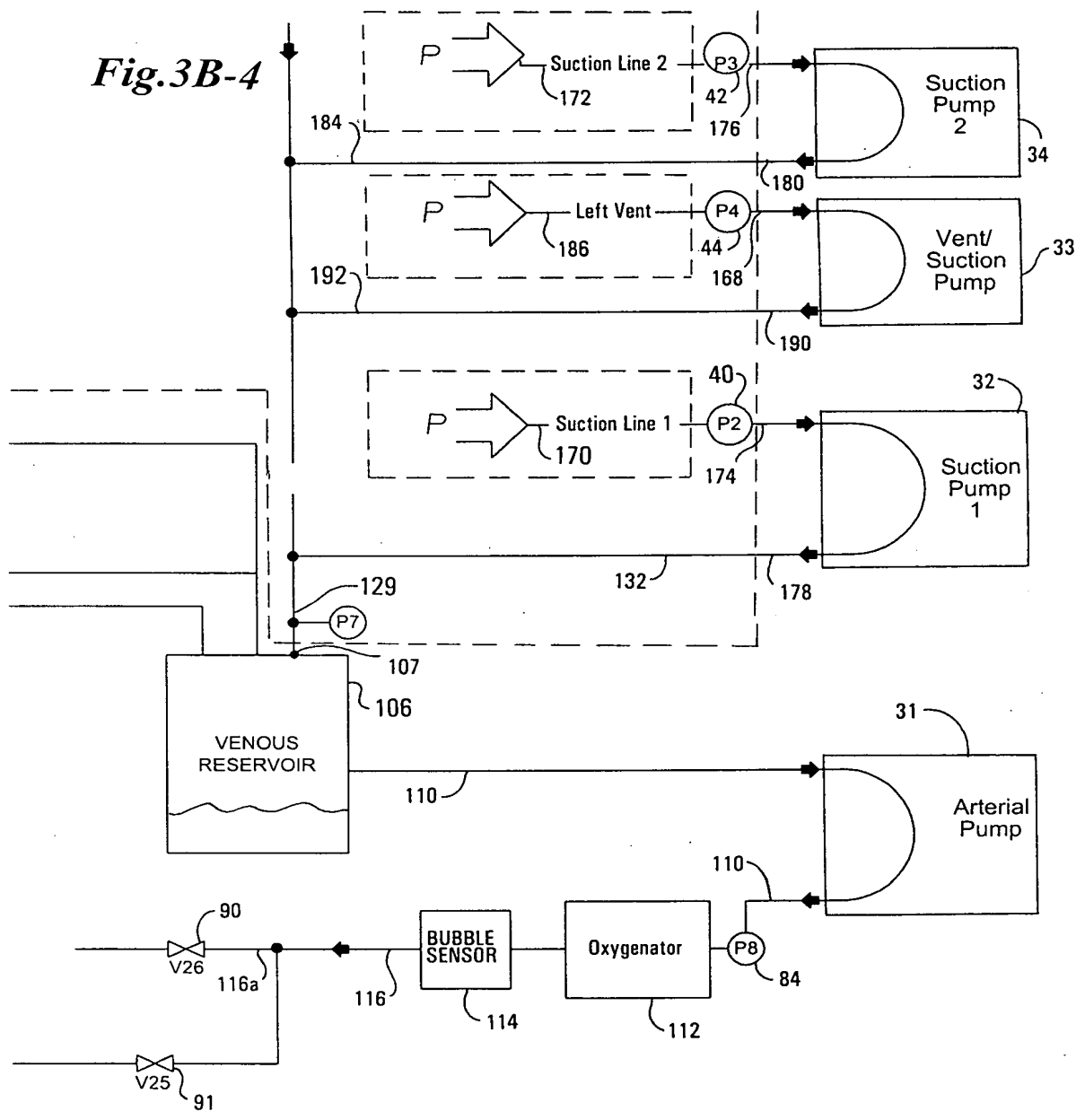


Fig.3B-4



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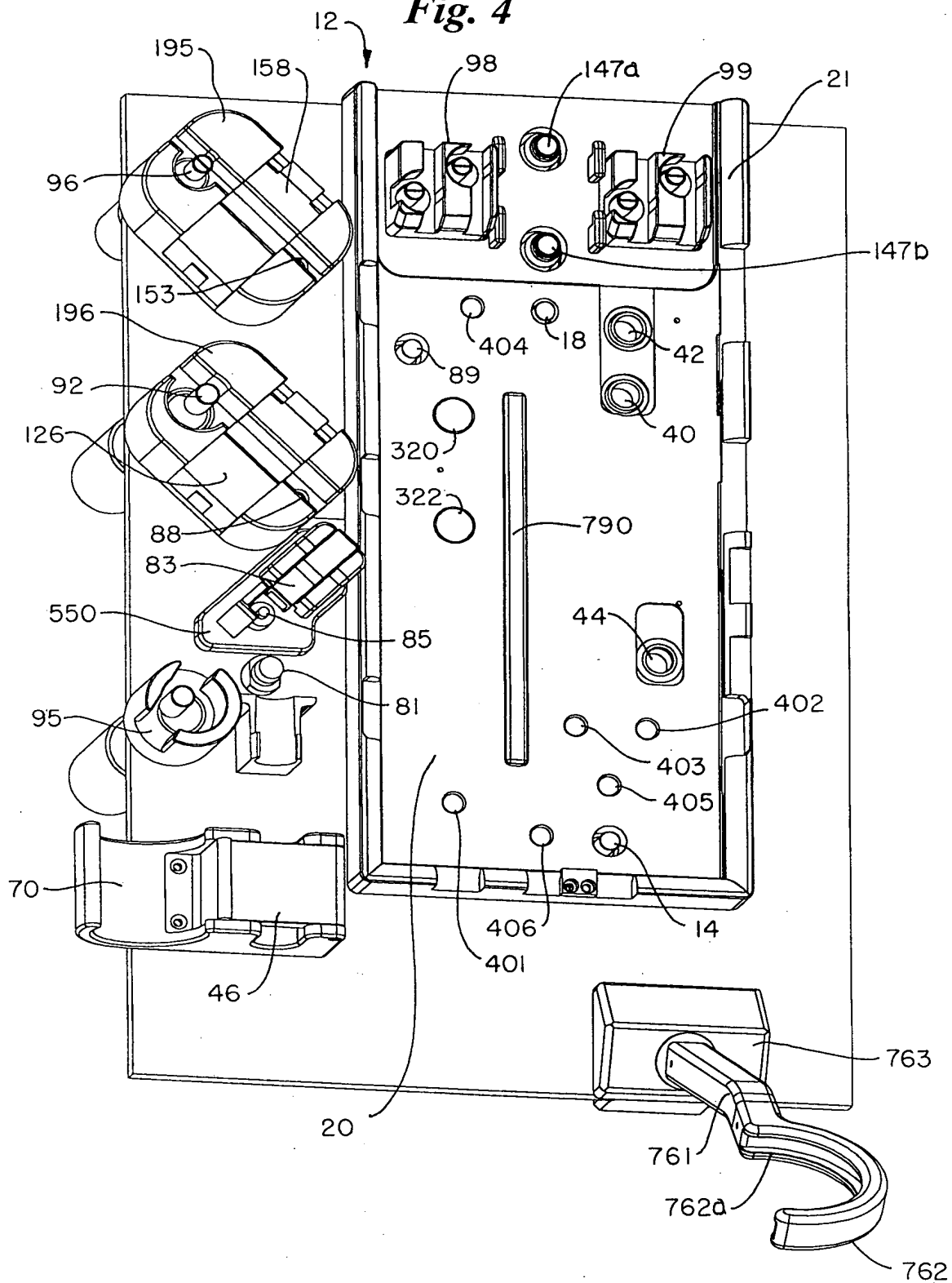
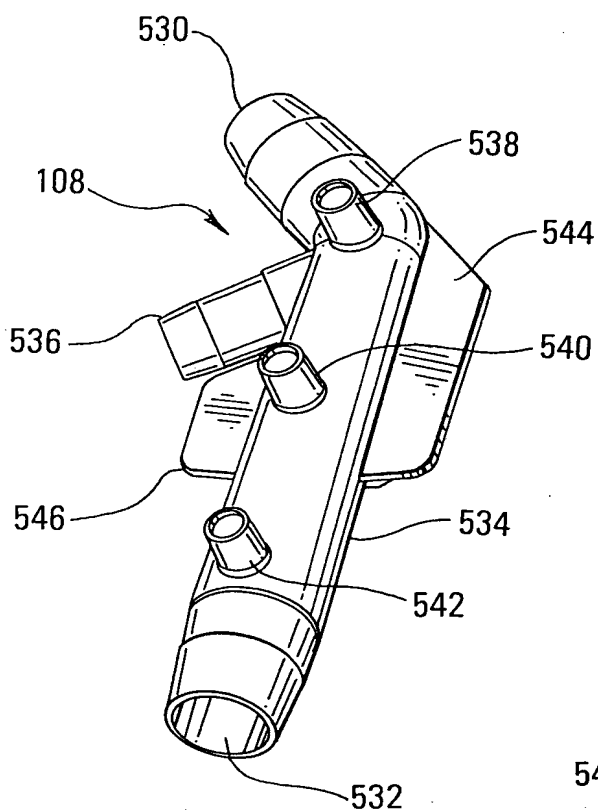
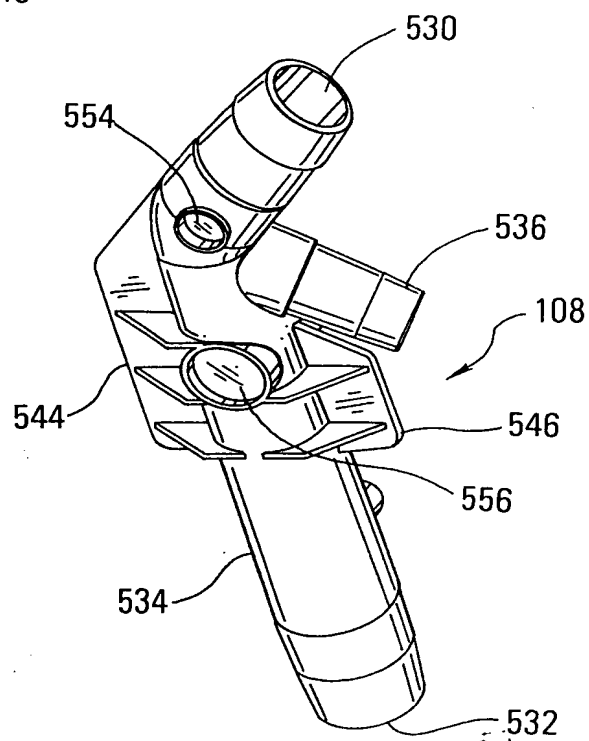
Fig. 4

Fig. 5A*Fig. 5B*

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3012 26416 0491 01/04/01

Fig. 5D

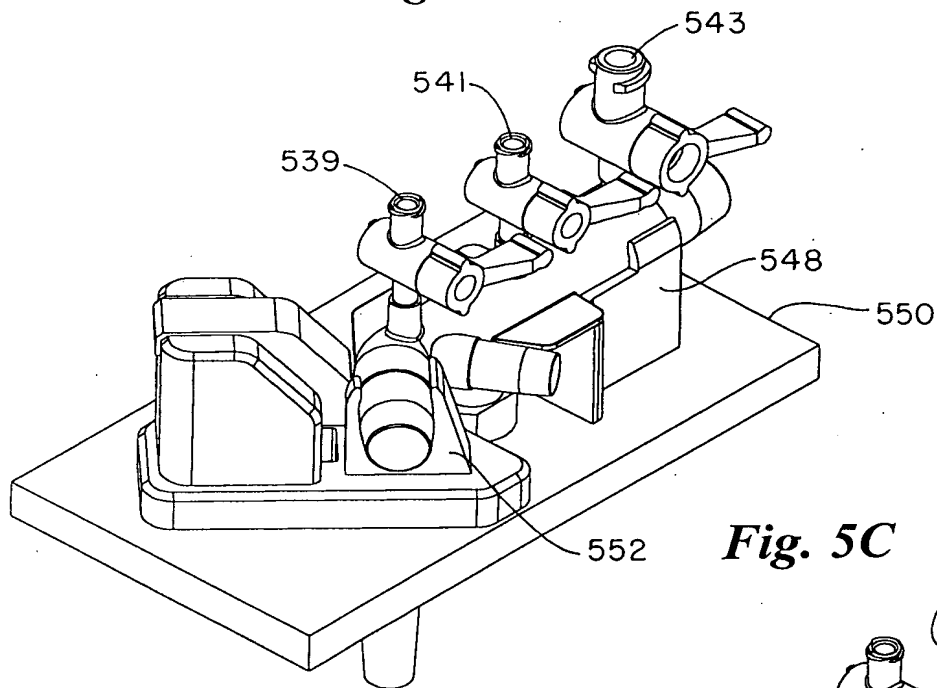


Fig. 5C

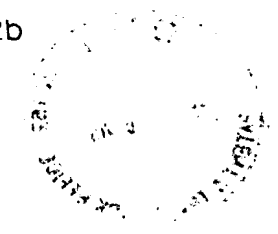
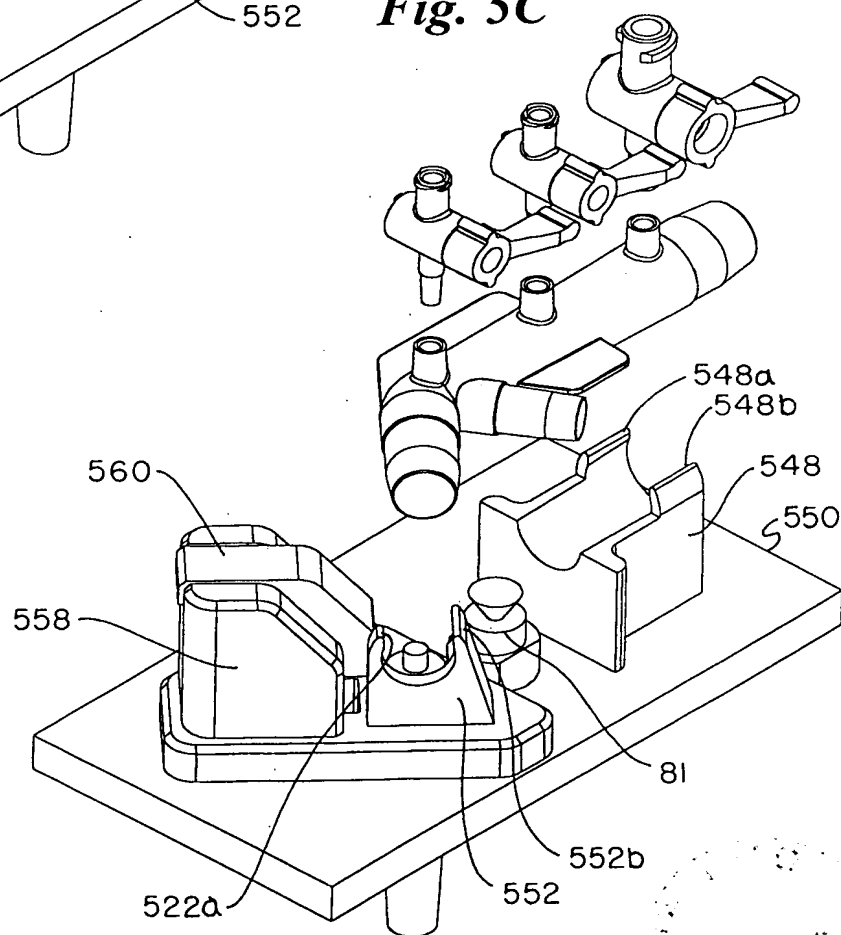


Fig. 5E

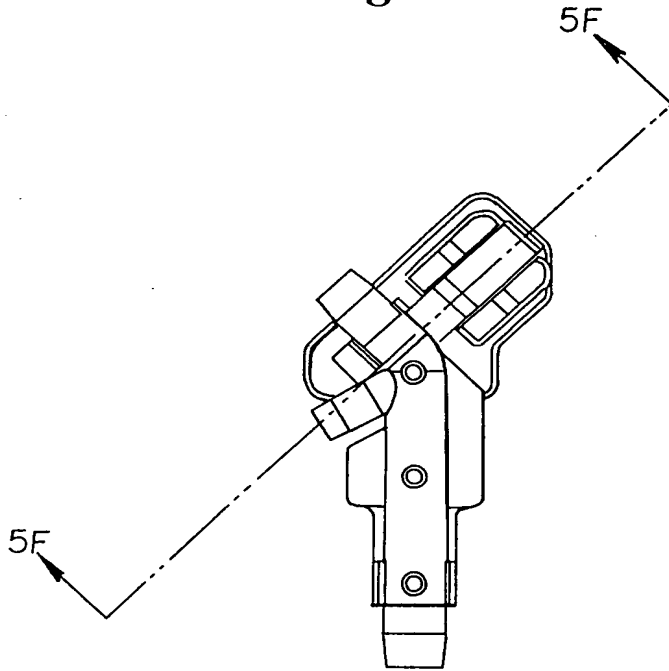
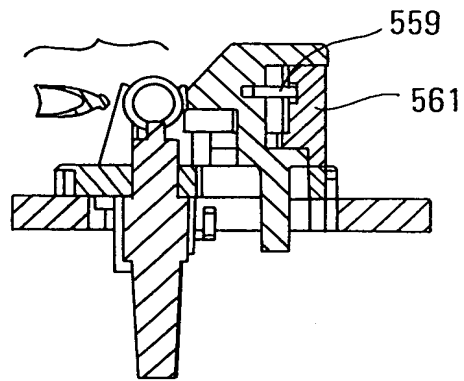


Fig. 5F



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Fig. 6A

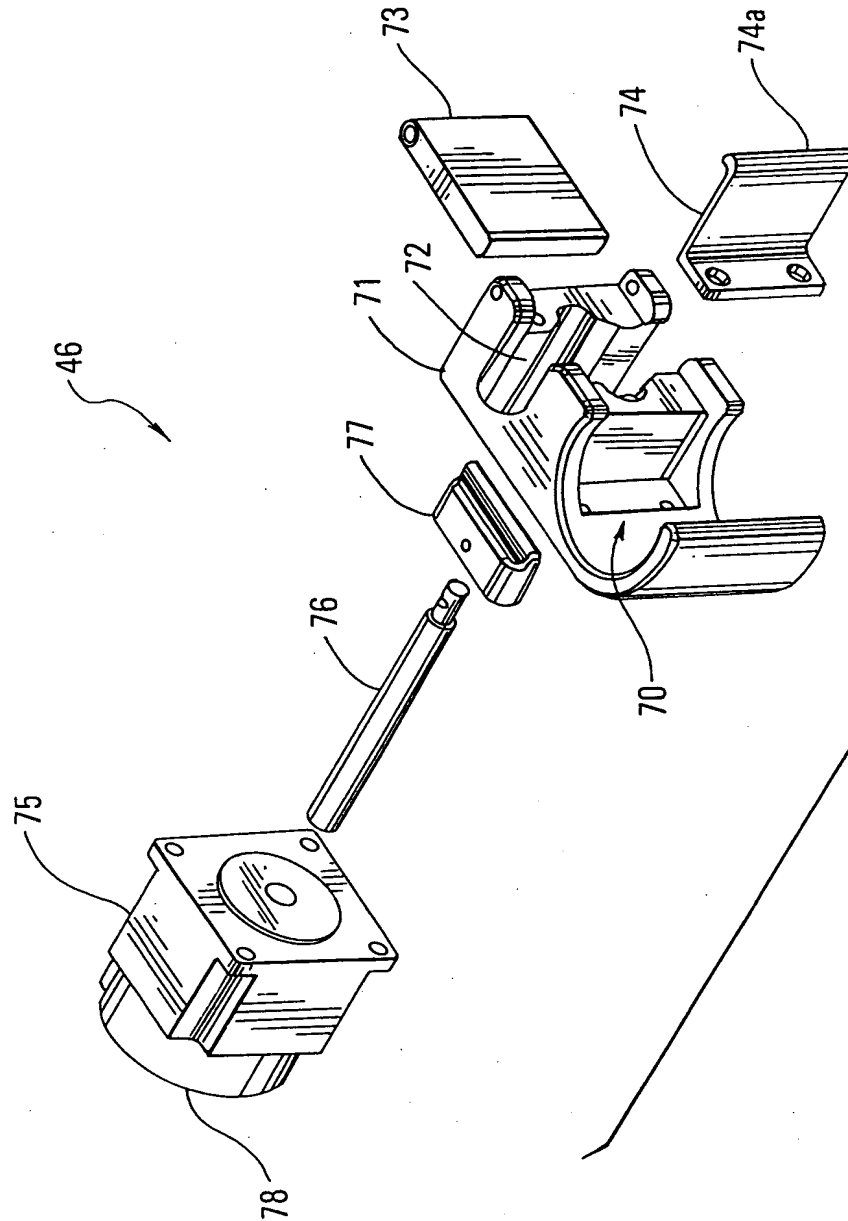


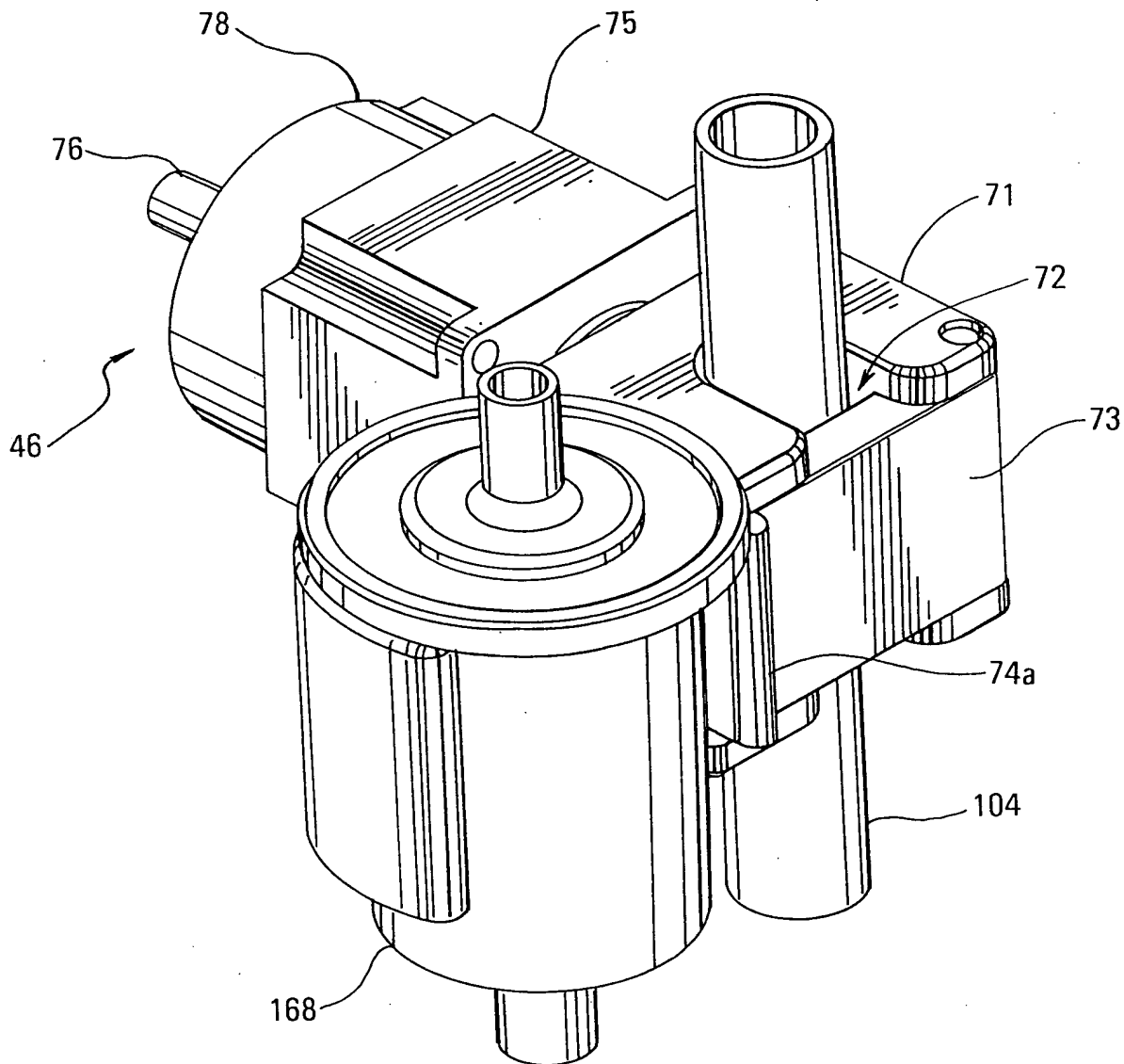
Fig. 6B

Fig. 6C

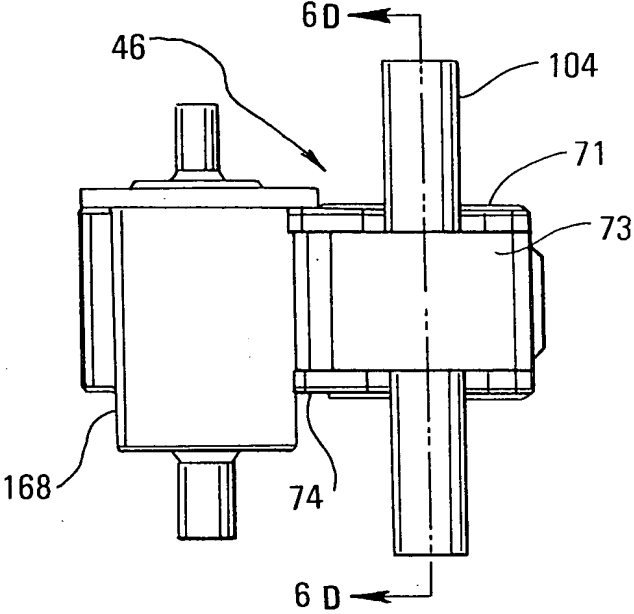


Fig. 6D

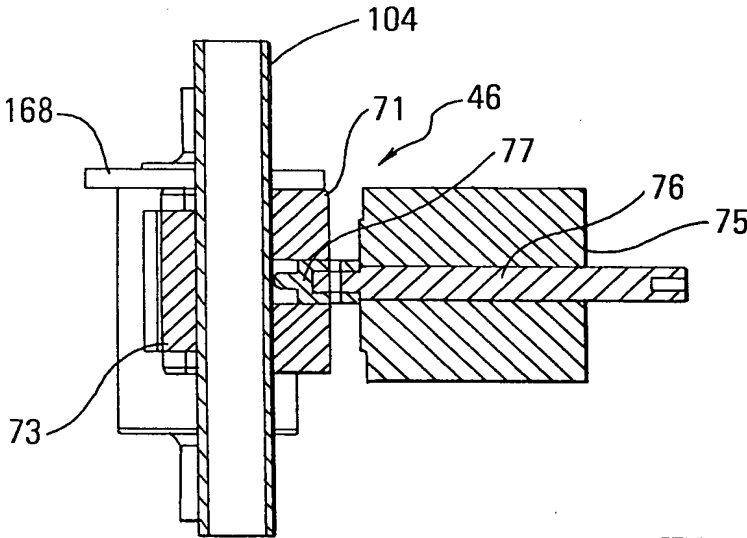


Fig. 6E

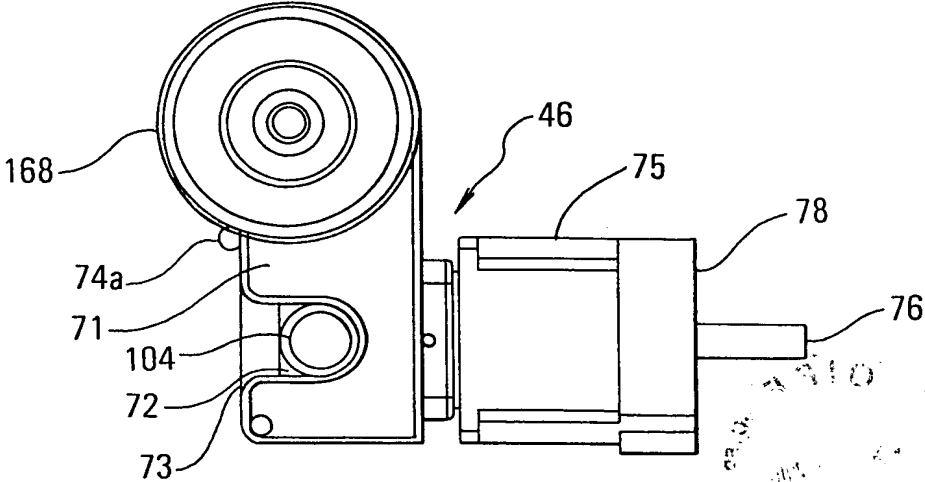
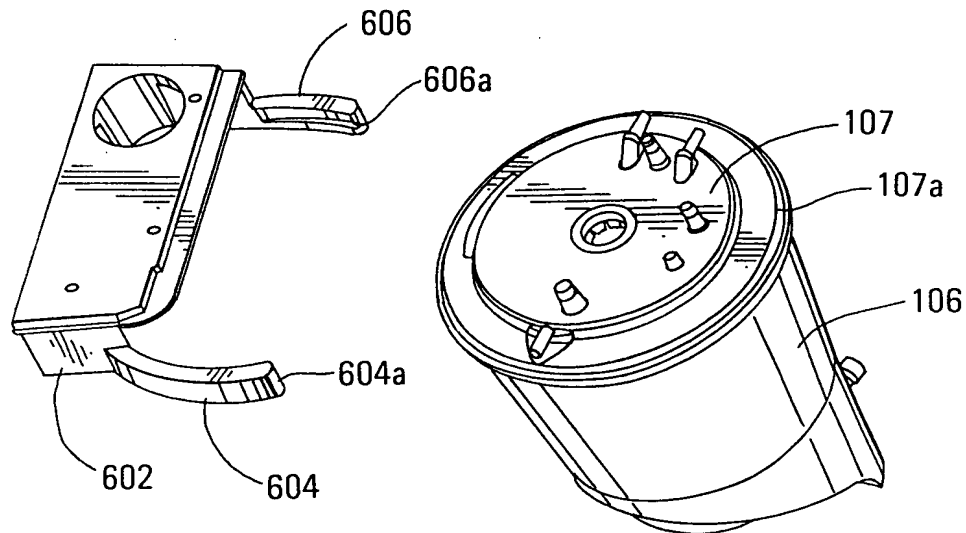
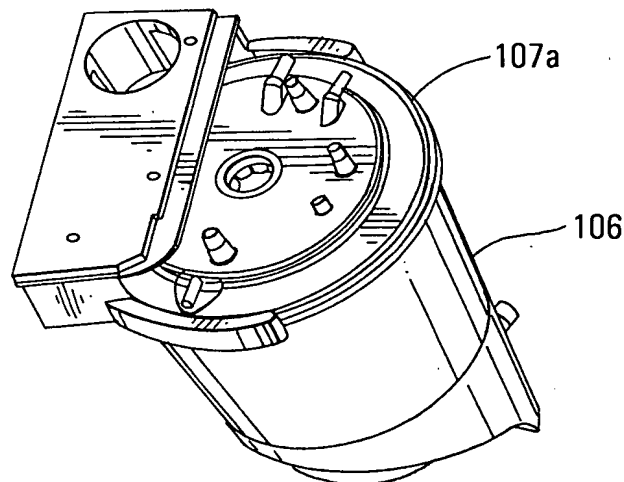
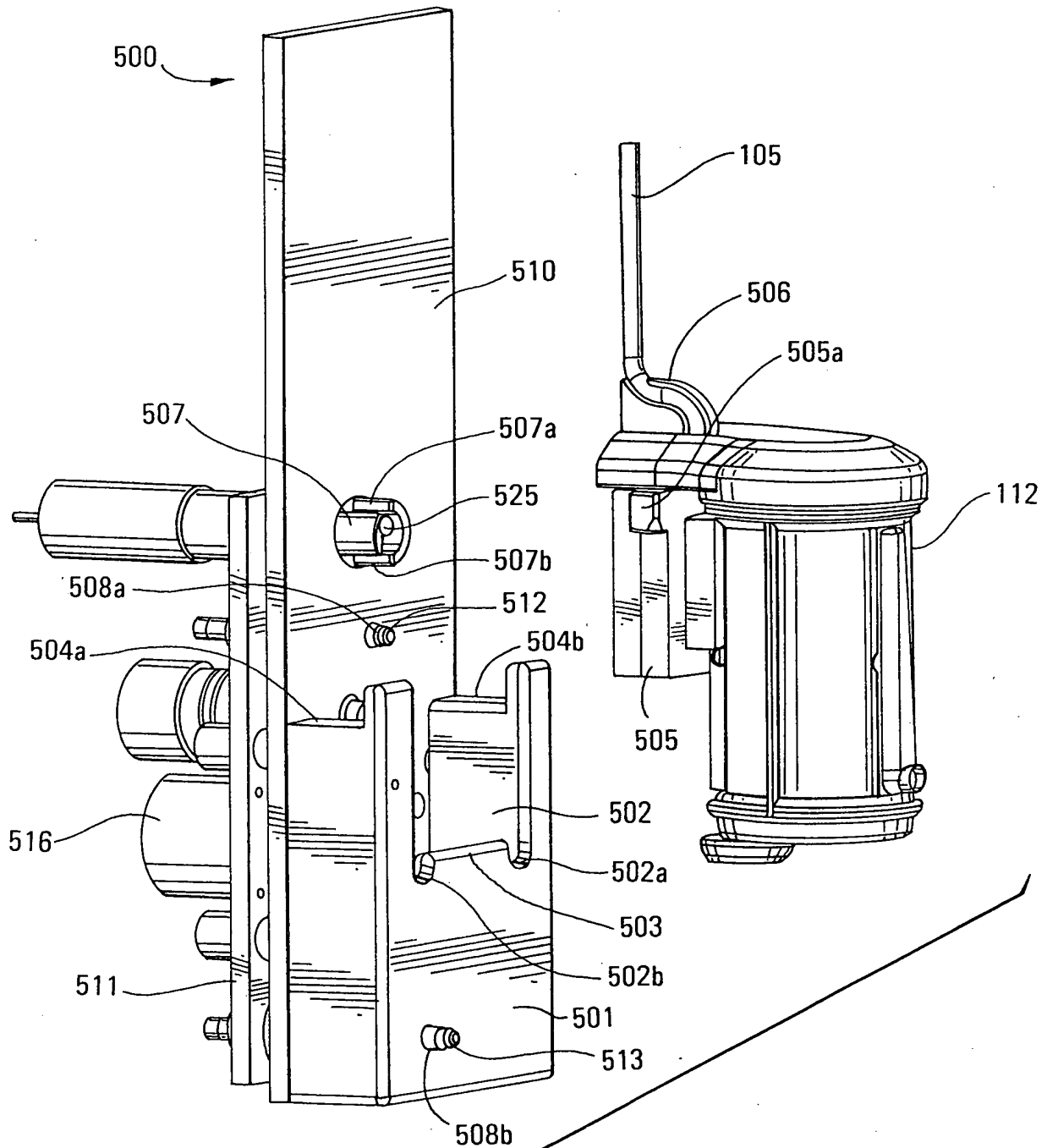


Fig. 7A*Fig. 7B*

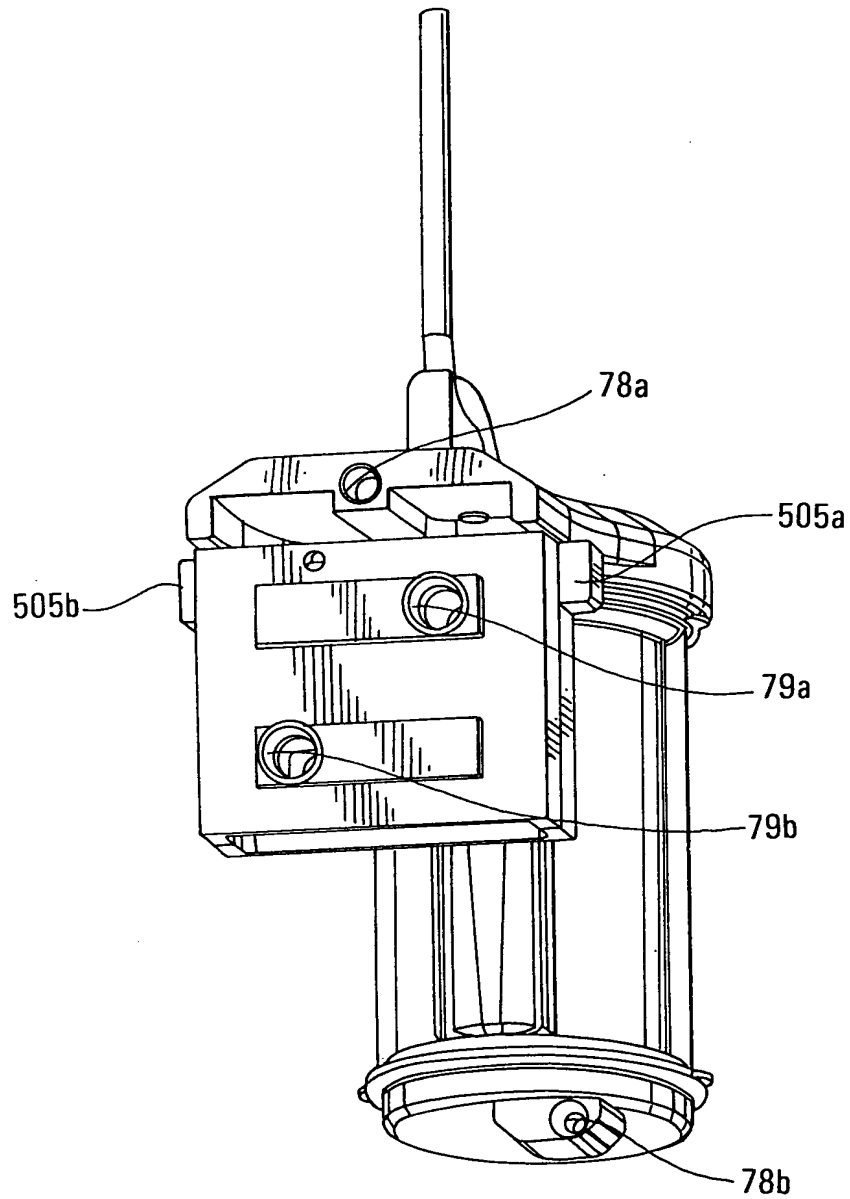
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ORIGINAL FILED IN
SERIAL 09/963,878
DATE 01/10/01

Fig. 8A



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WASHINGTON, D.C. 20504

Fig. 8B



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OF PATENTS
WASHINGTON, D.C. 20540

Fig. 8C

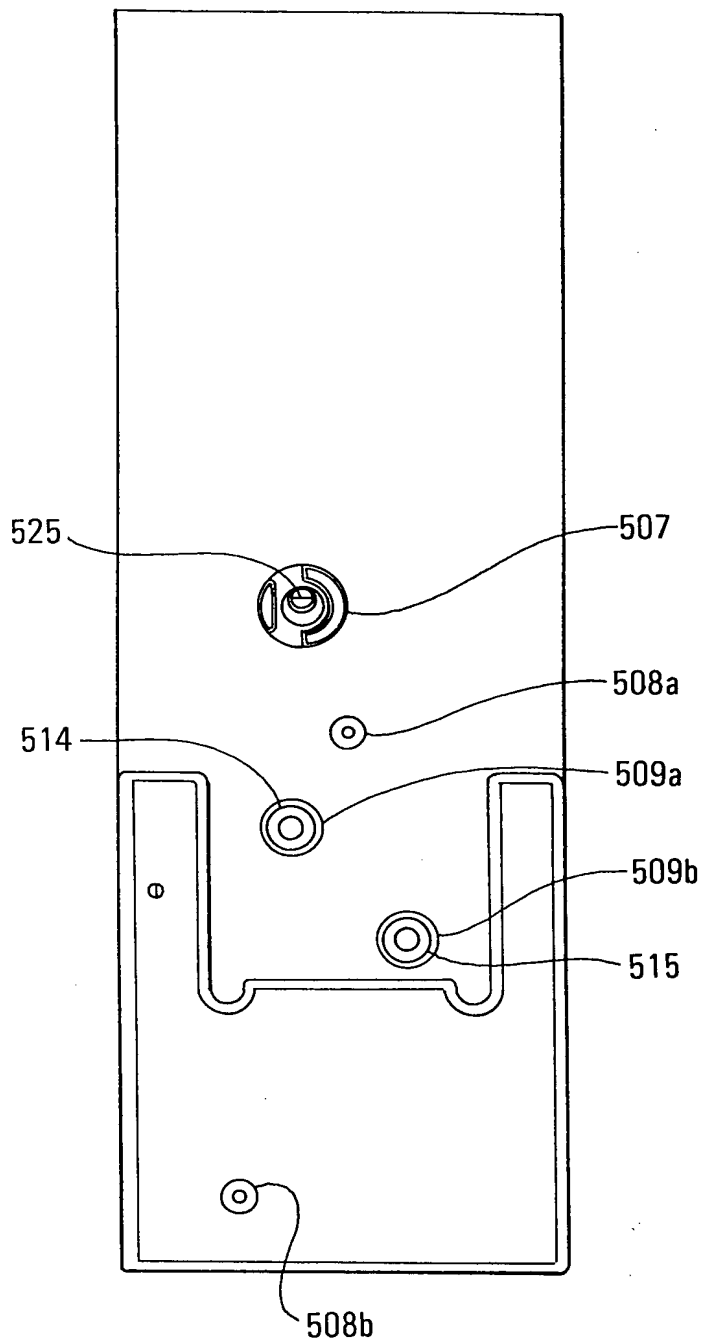


Fig. 8D

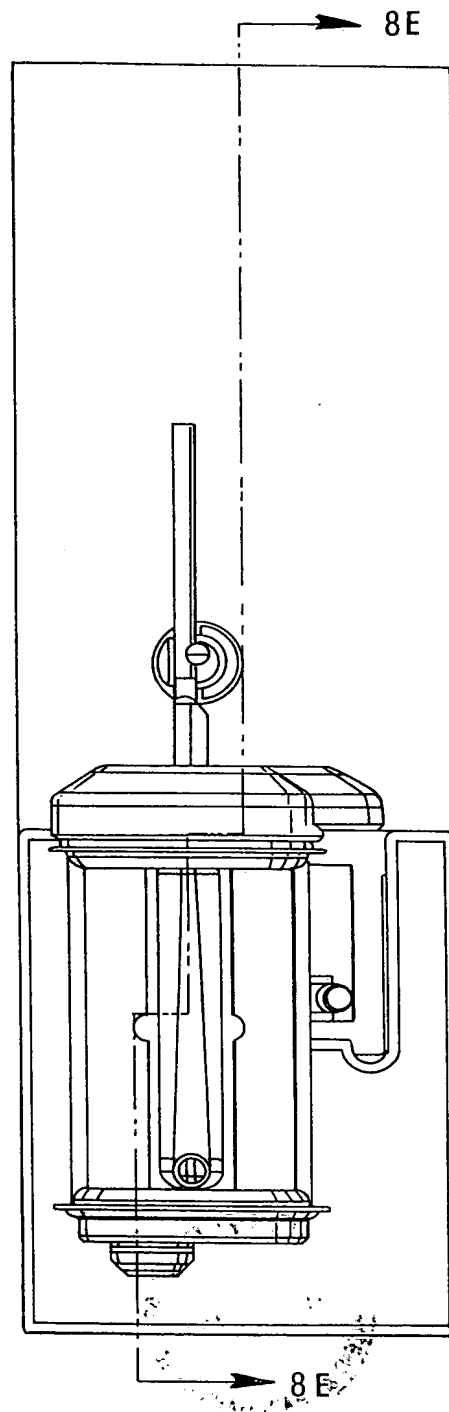
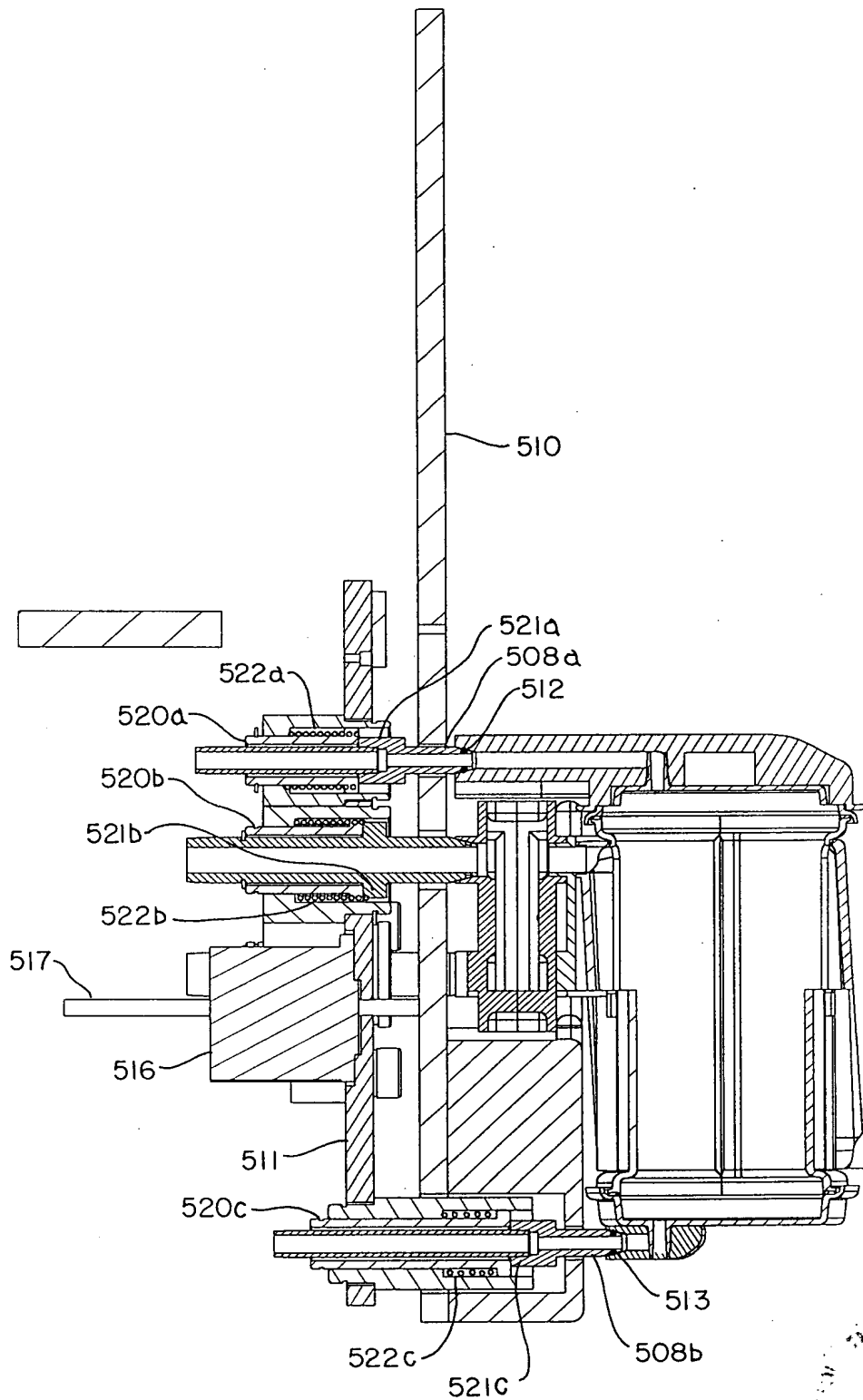


Fig. 8E



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Fig. 9A

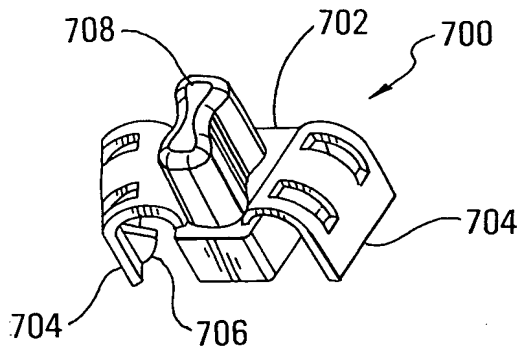


Fig. 9B

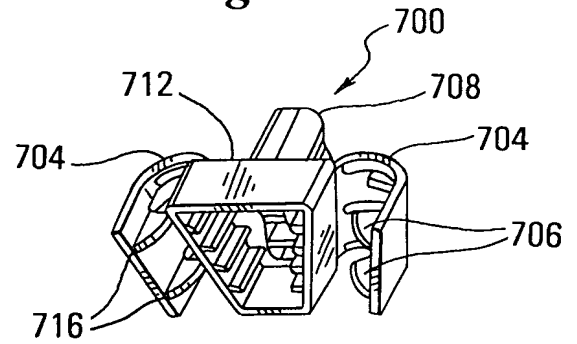


Fig. 9C

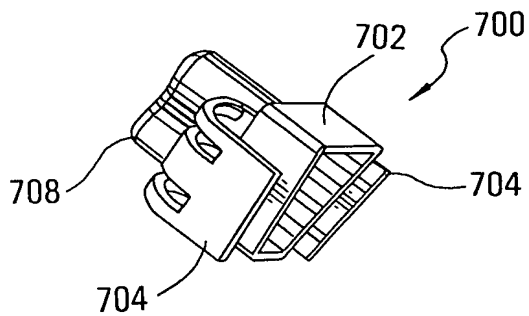


Fig. 9D

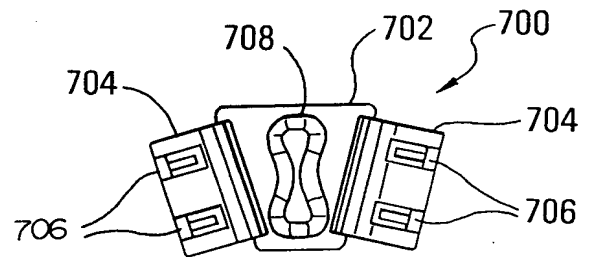


Fig. 9E

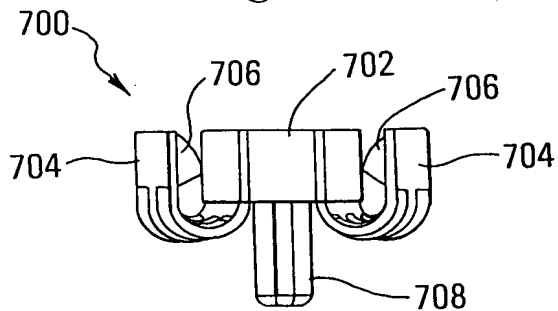


Fig. 9F

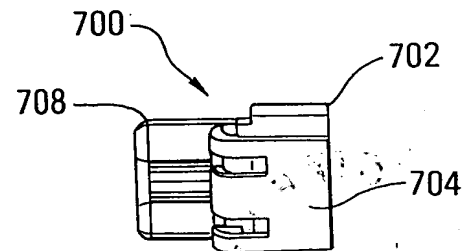


Fig. 10B

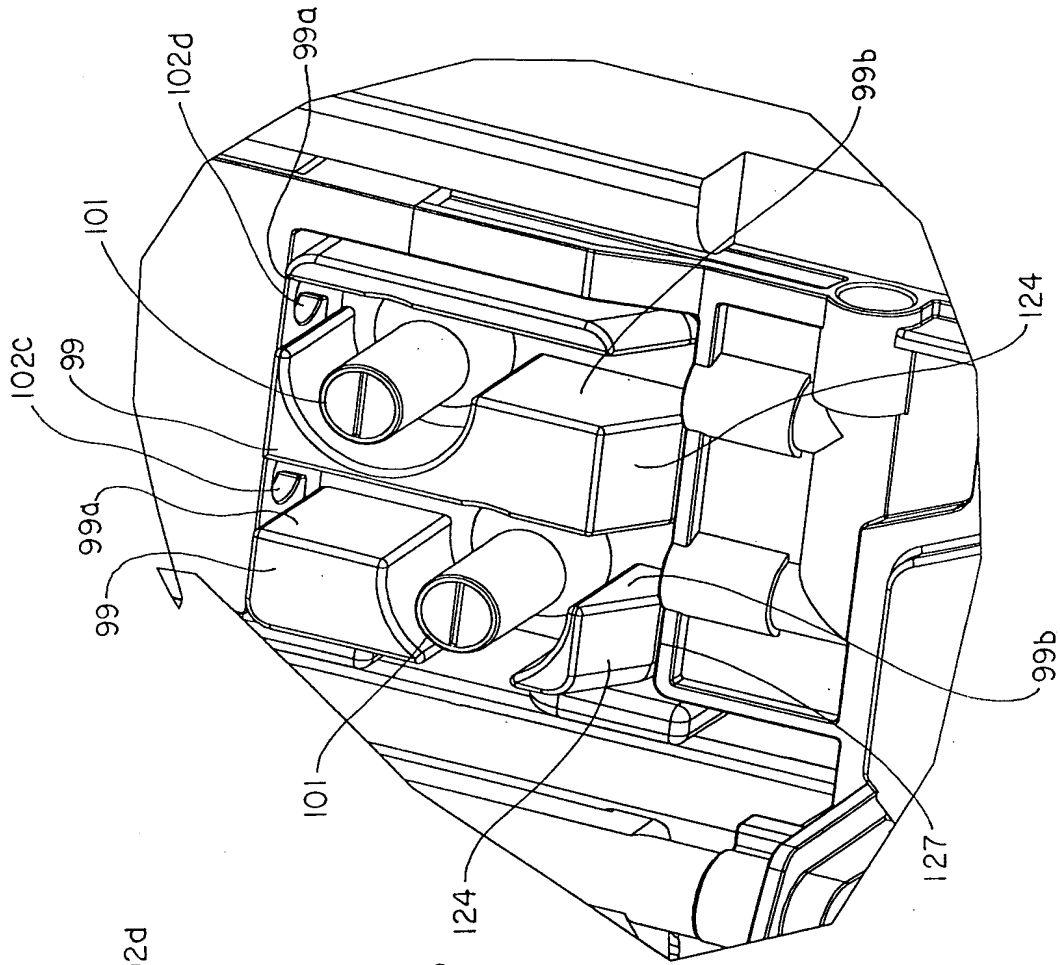


Fig. 10A

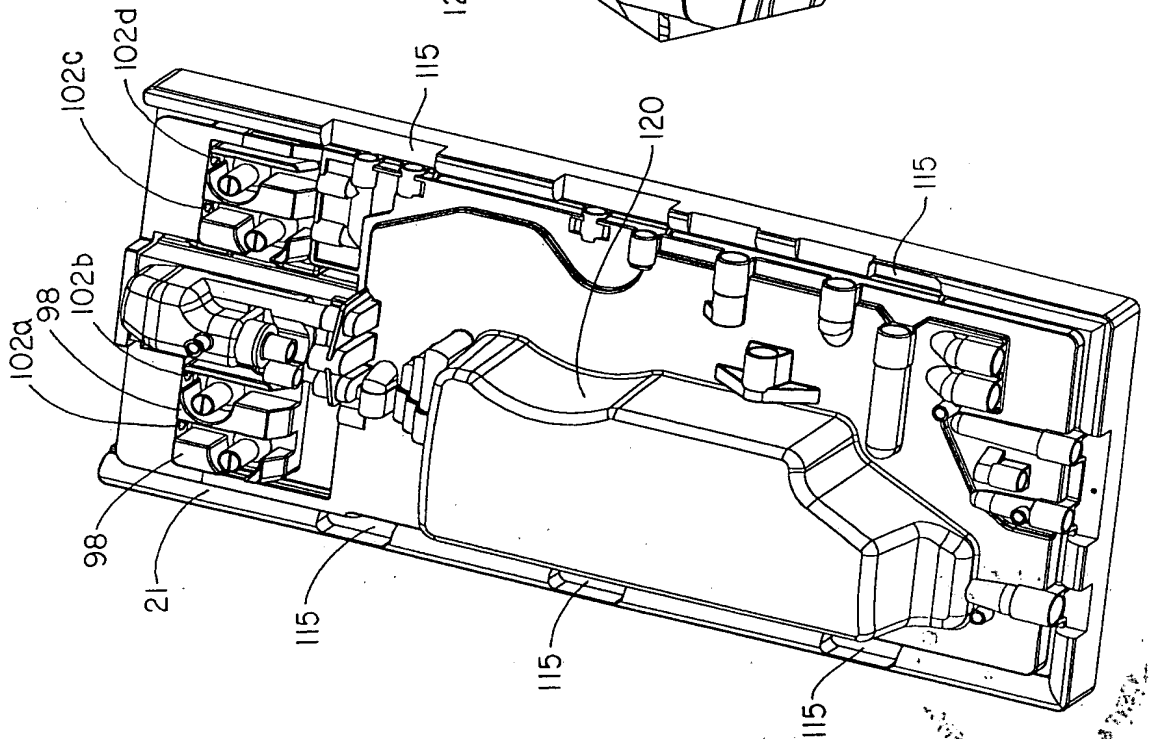


Fig. 10D

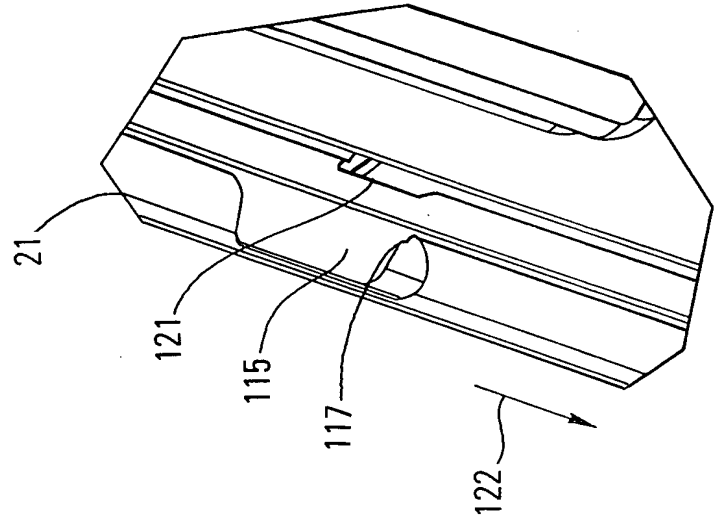


Fig. 10C

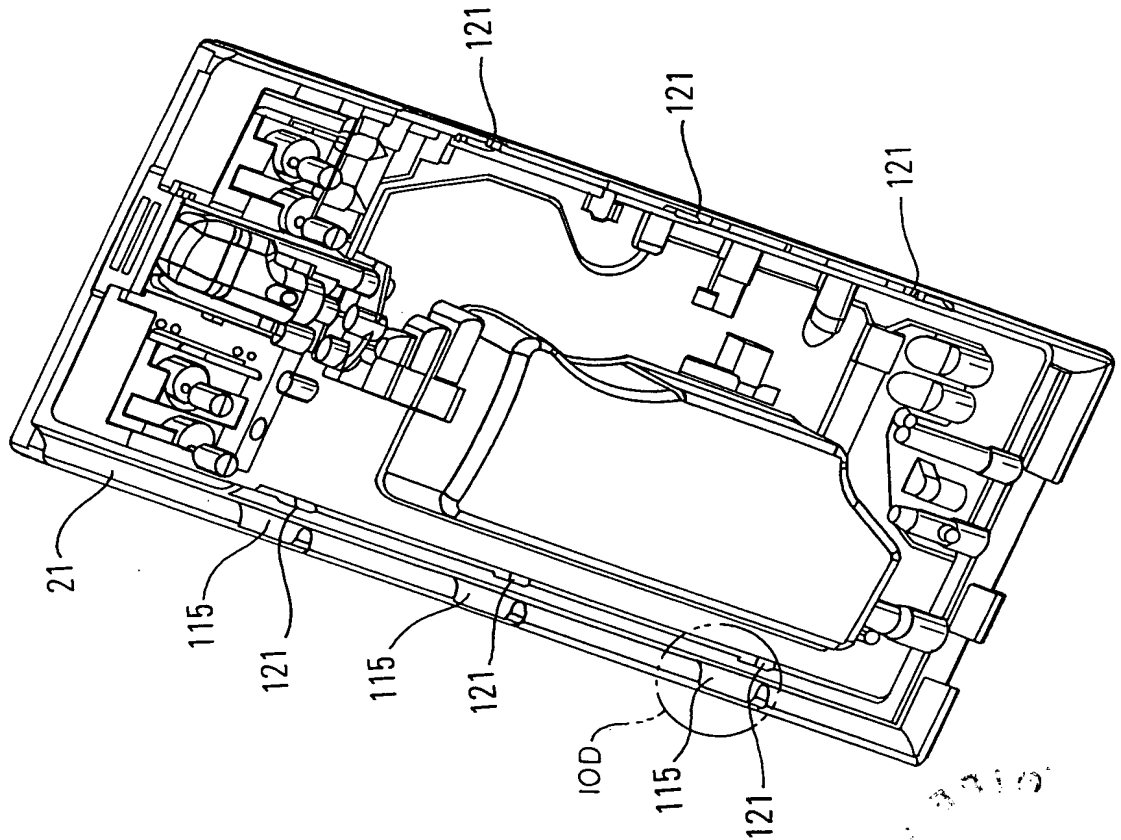


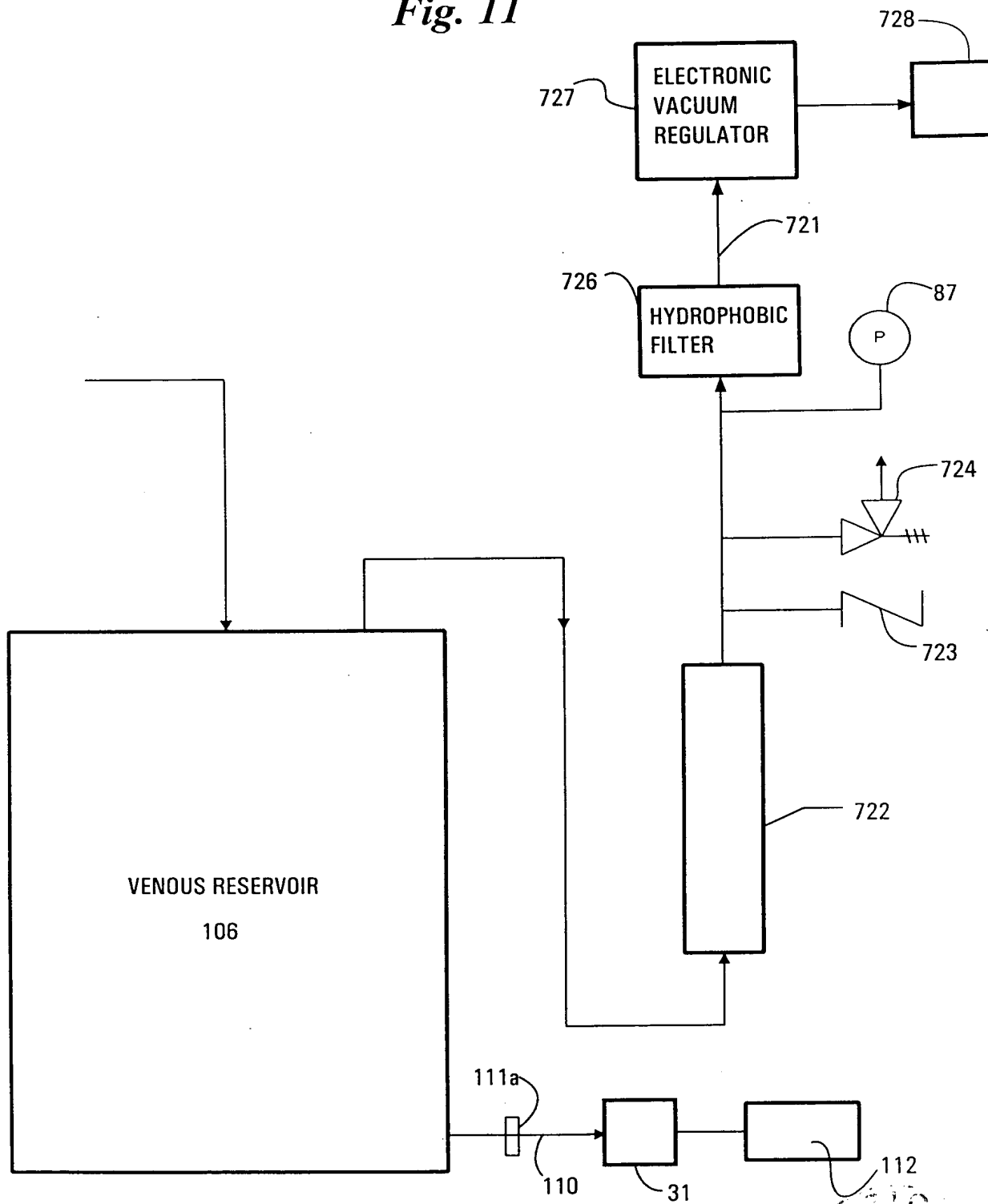
Fig. 11

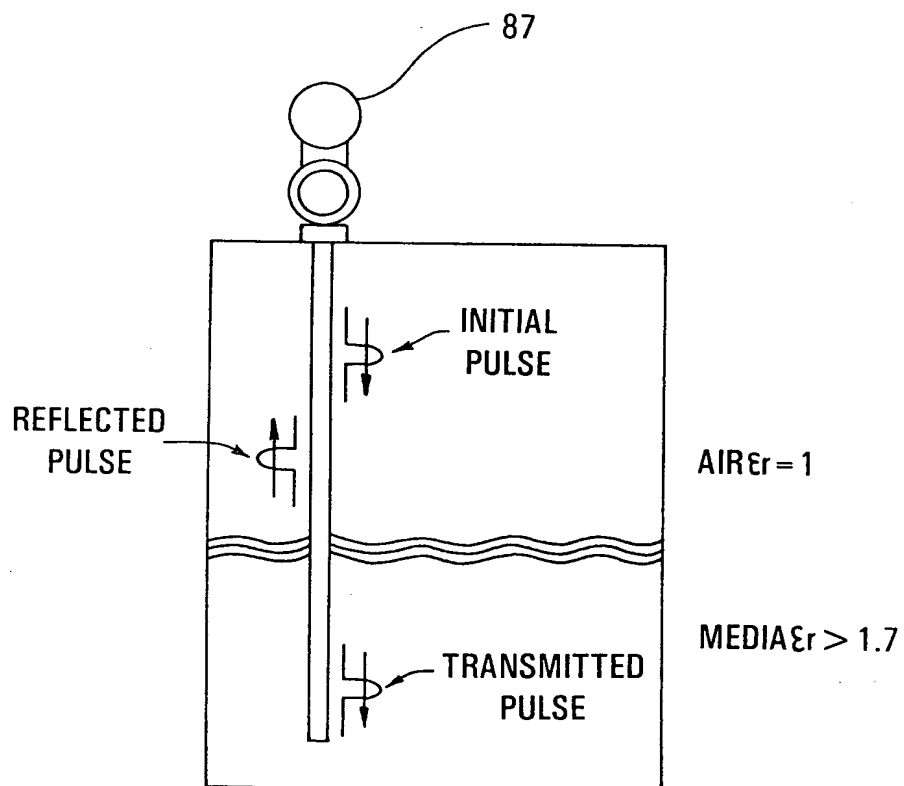
Fig. 12

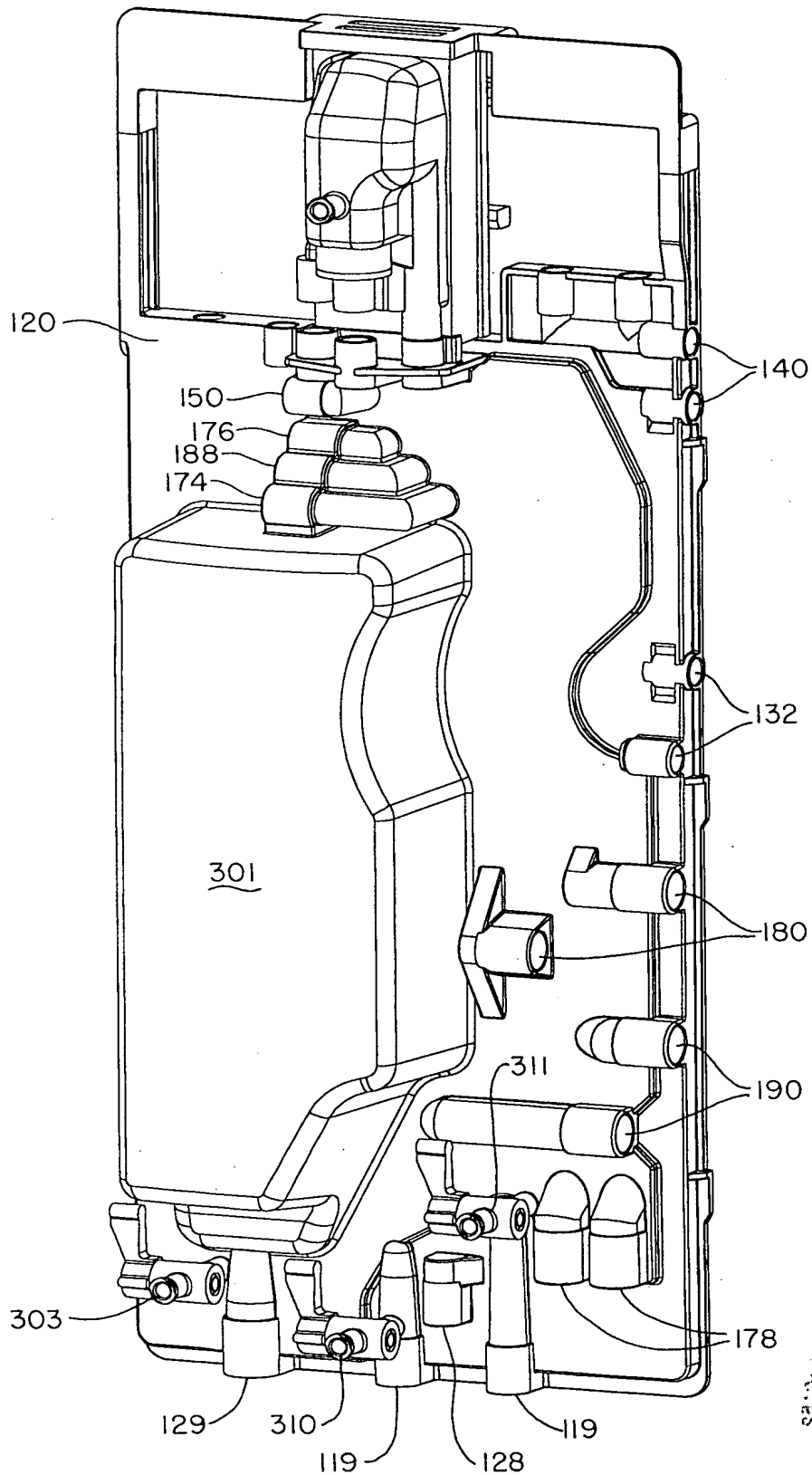
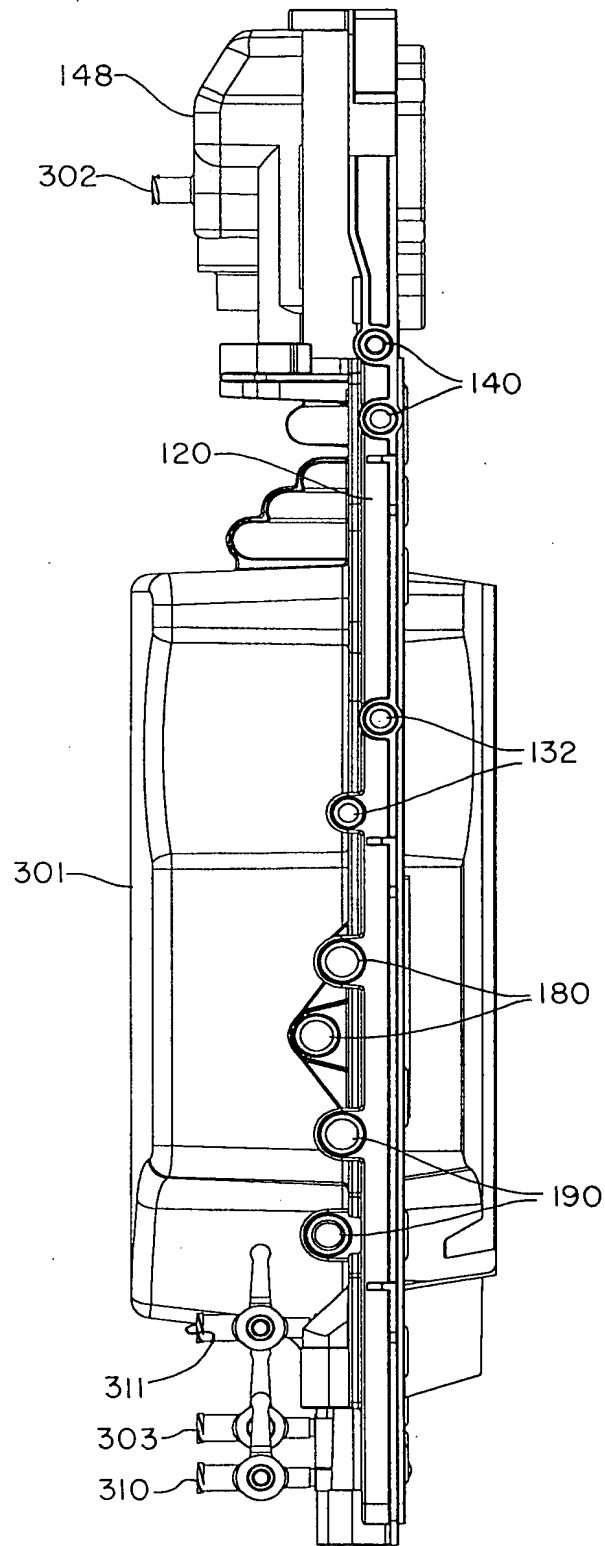
Fig. 13

Fig. 15



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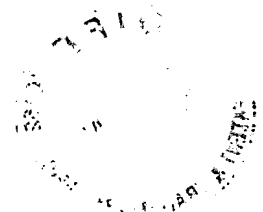
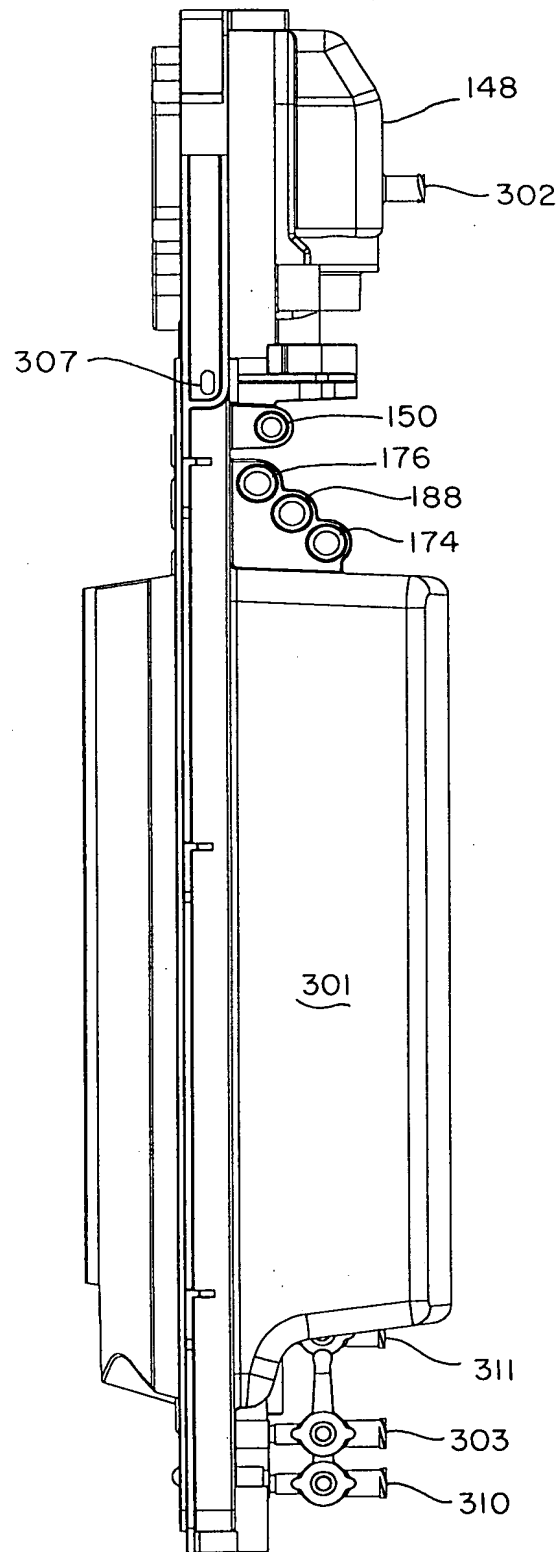
Fig. 16

Fig. 17

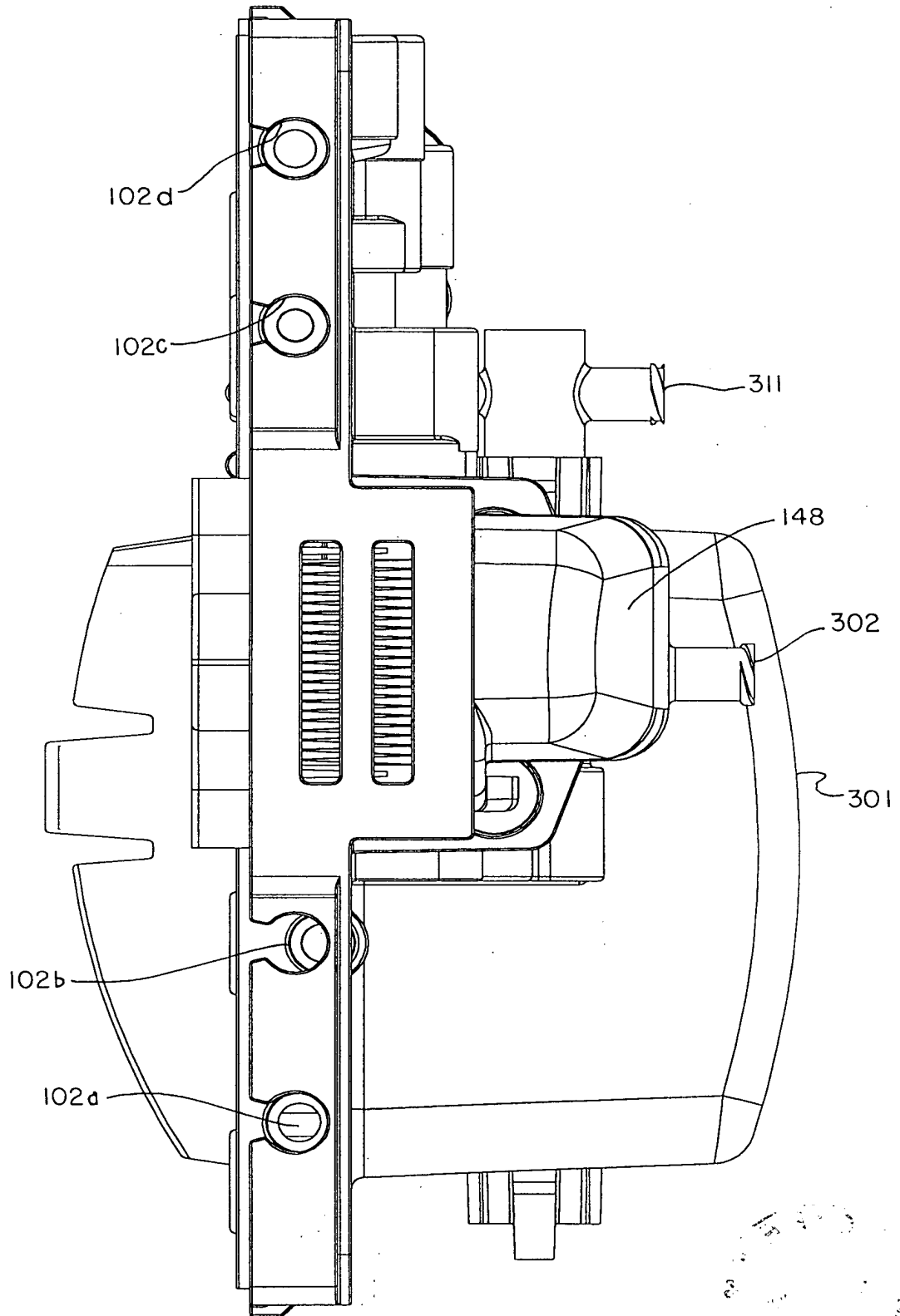
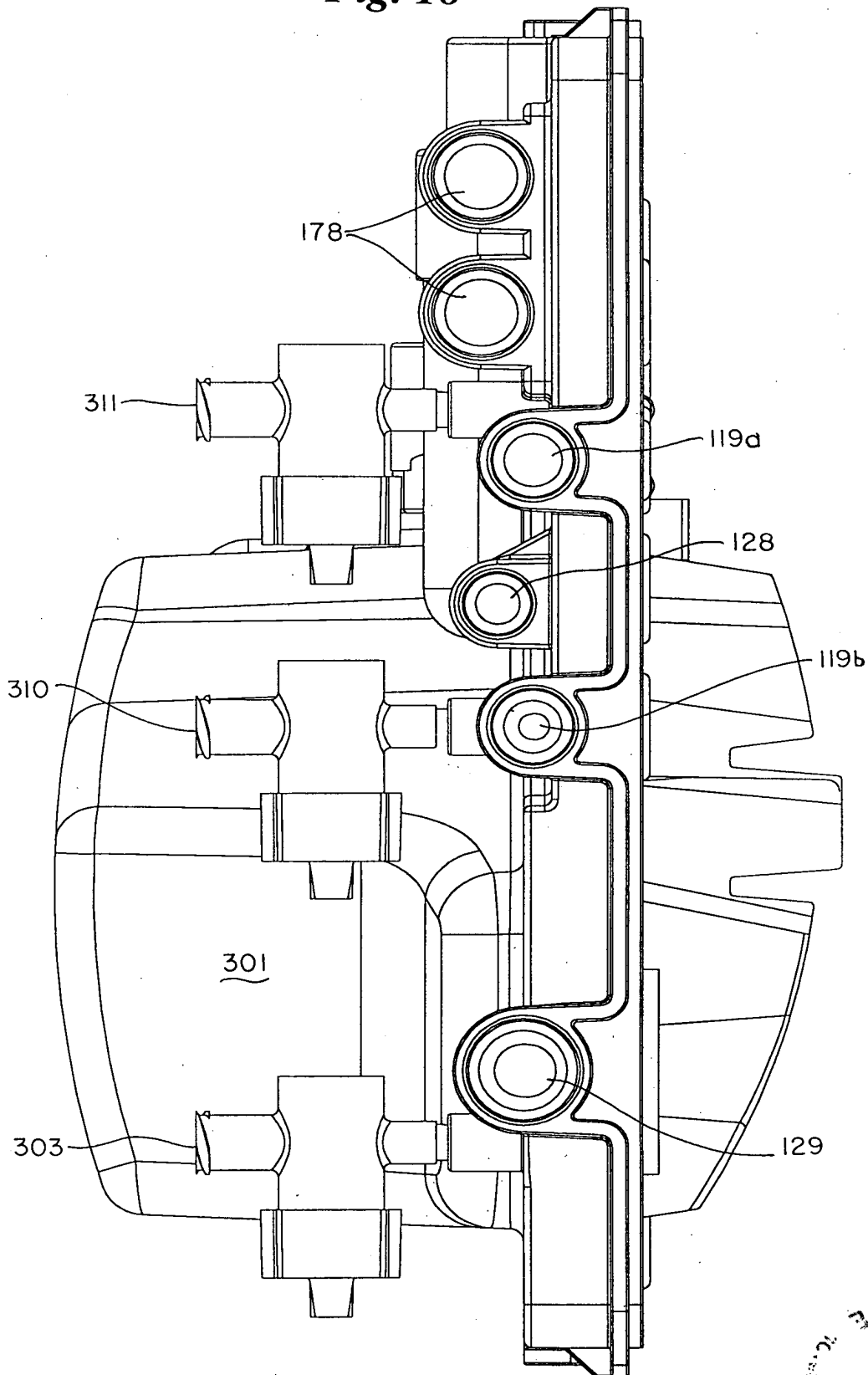


Fig. 18

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Fig. 19A

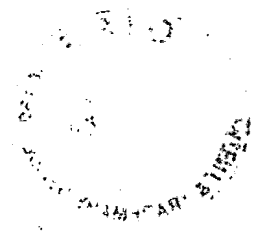
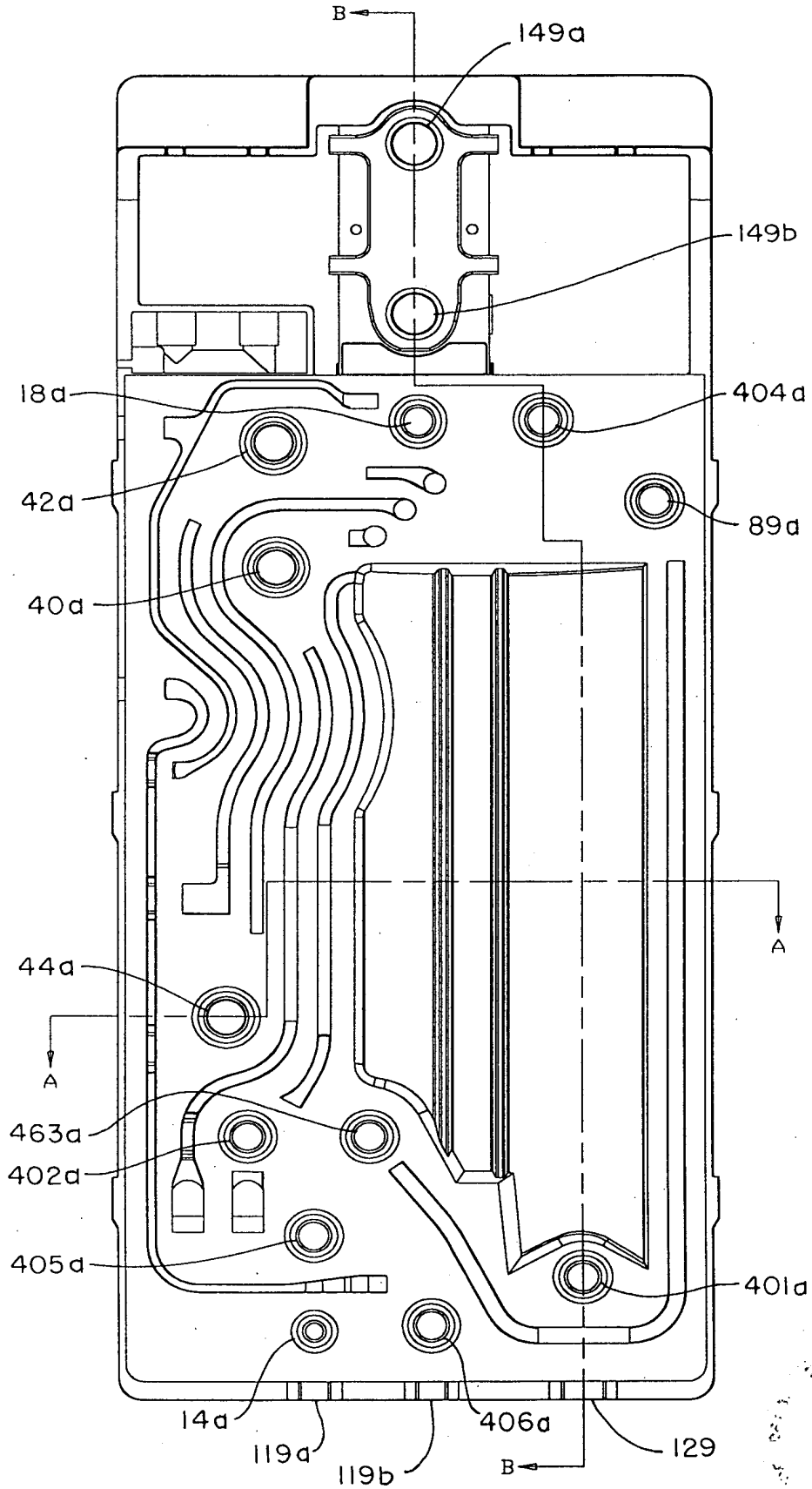


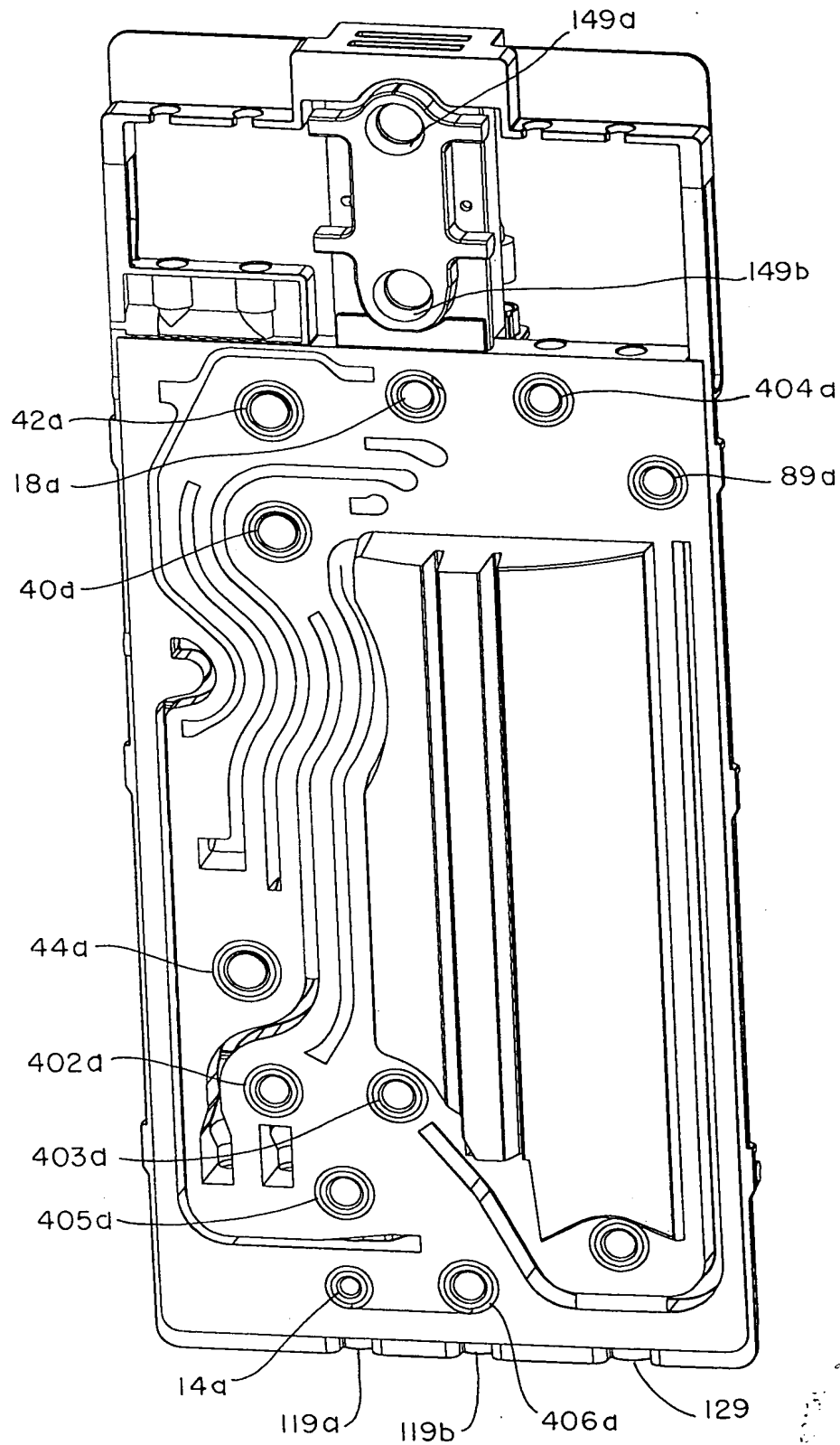
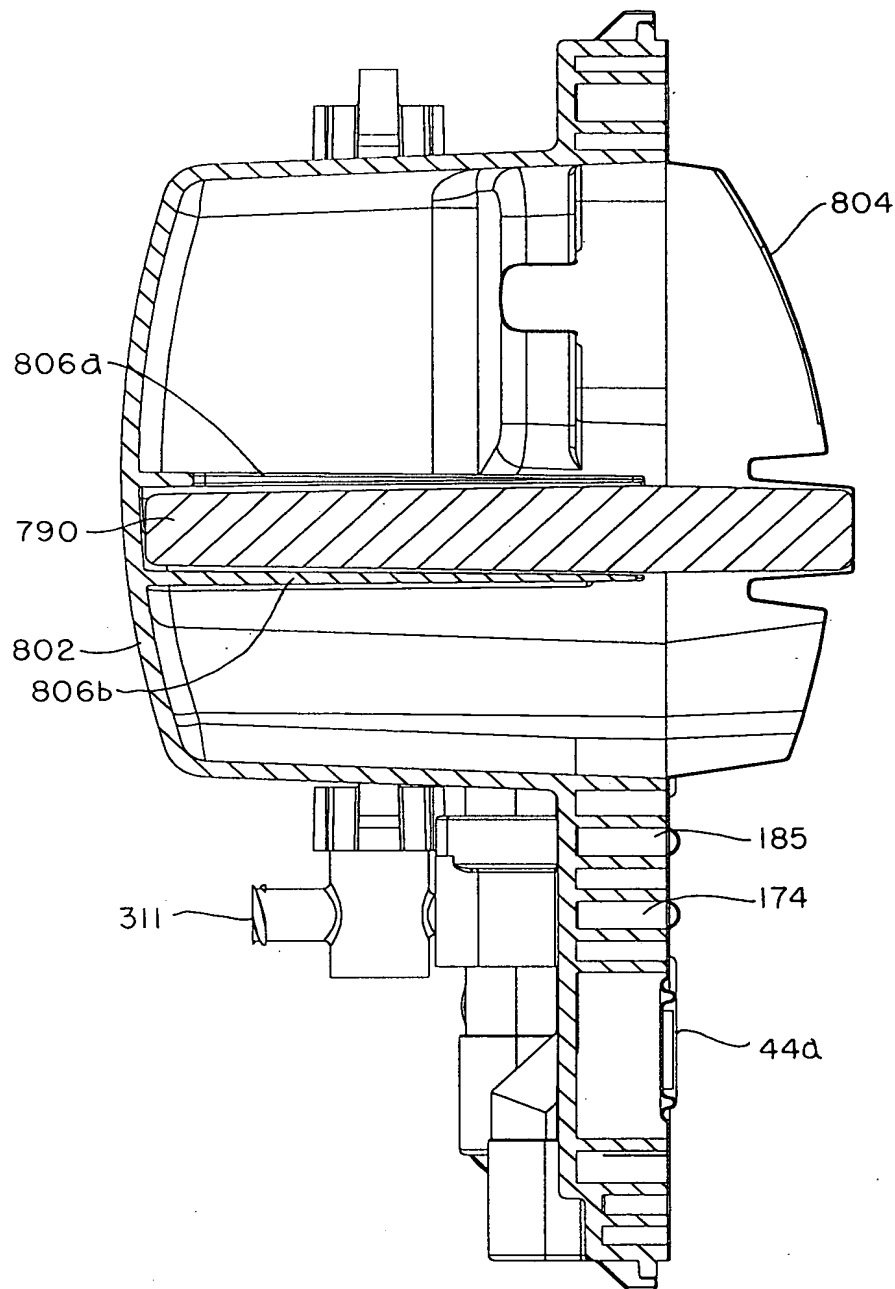
Fig. 19B

Fig. 20A

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MAY 19 2004

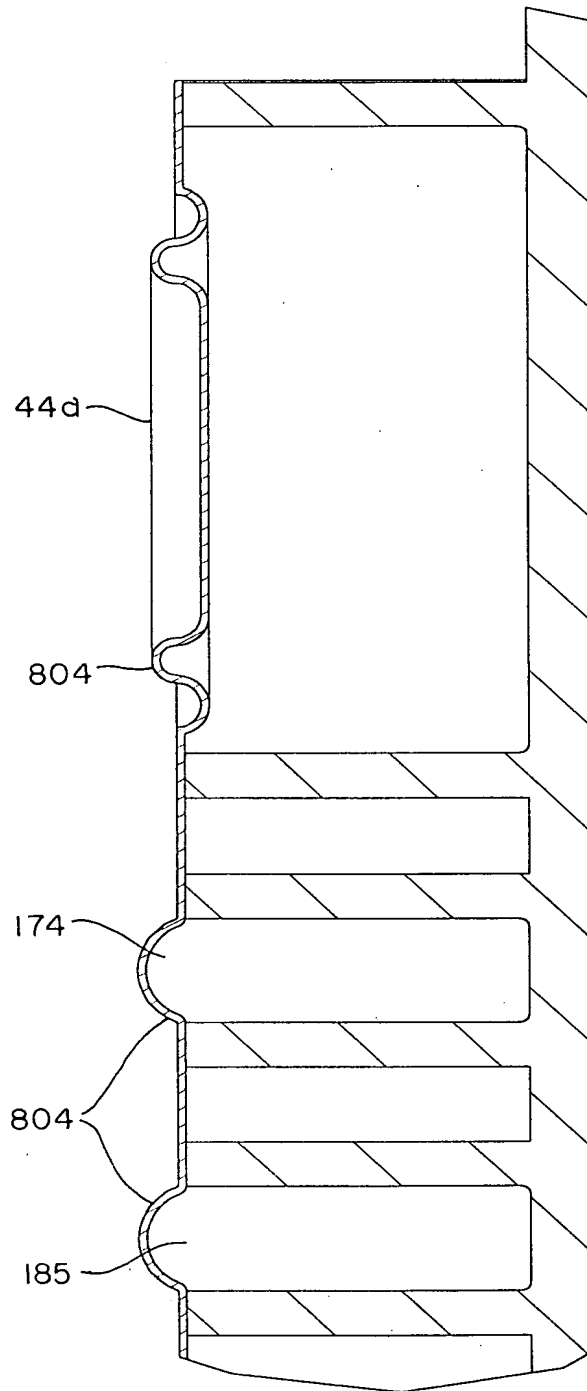
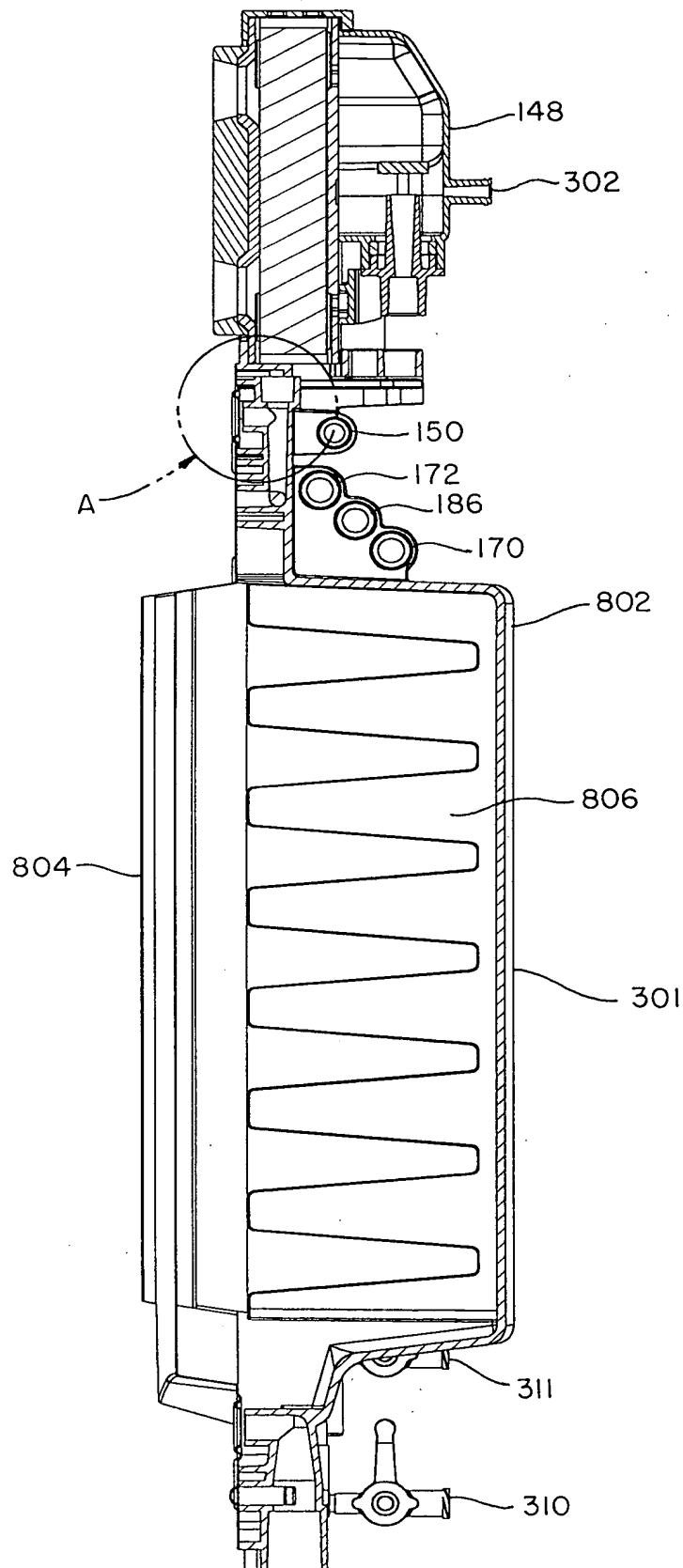
Fig. 20B

Fig. 21

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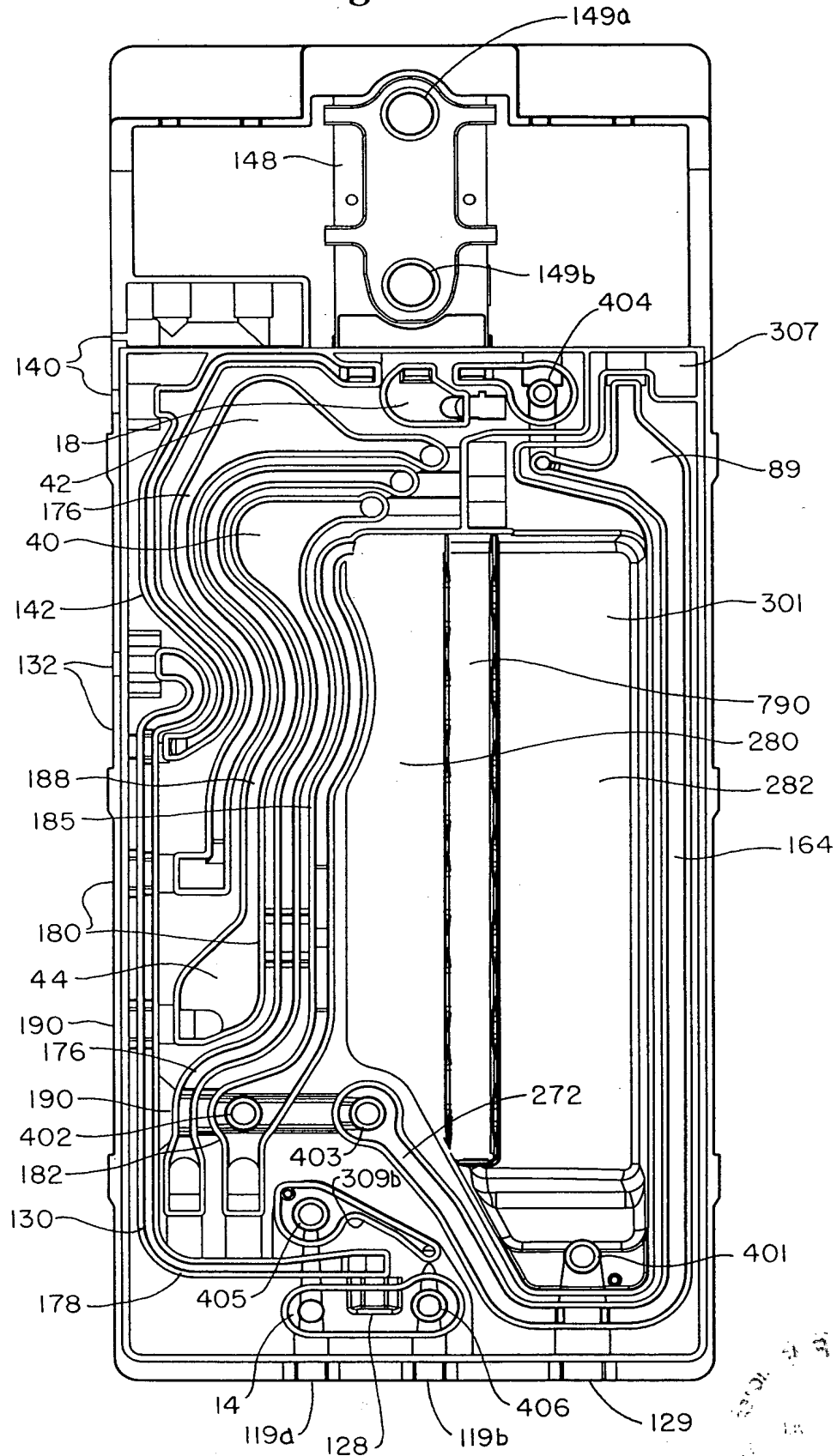
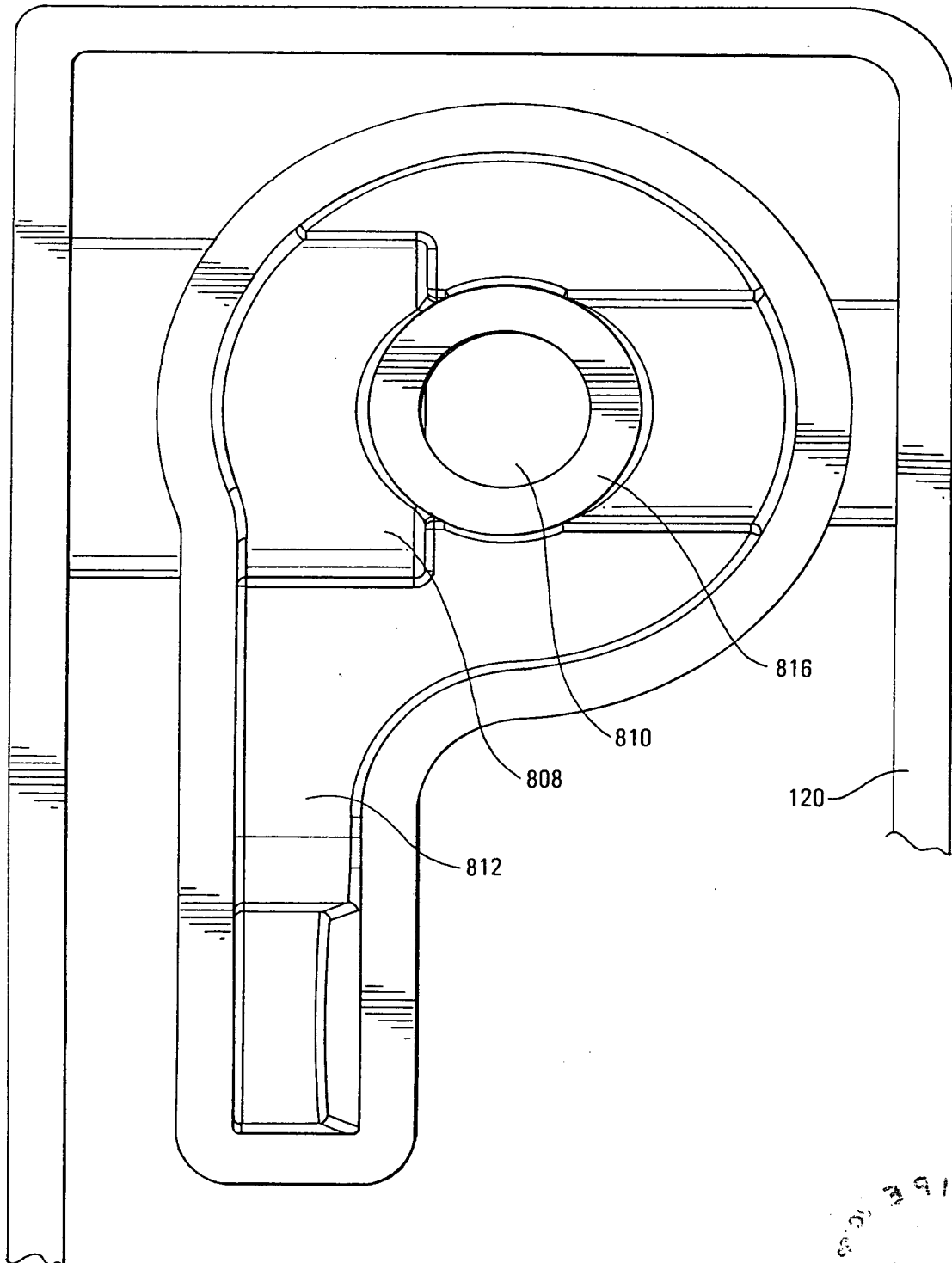
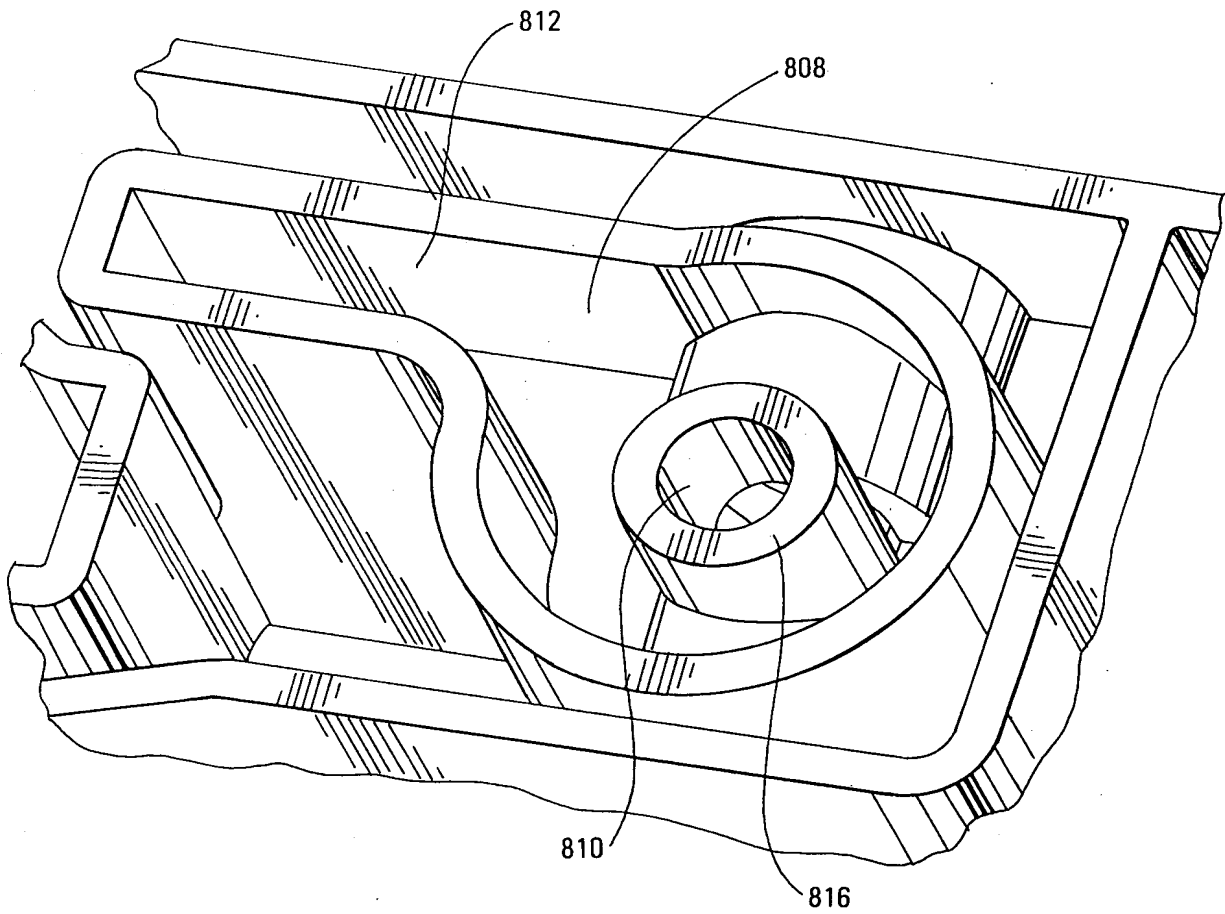
Fig. 22

Fig. 23A



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Fig.23B



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334-8992
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ATTORNEY
CV0290US
09/963,878

Fig. 24A

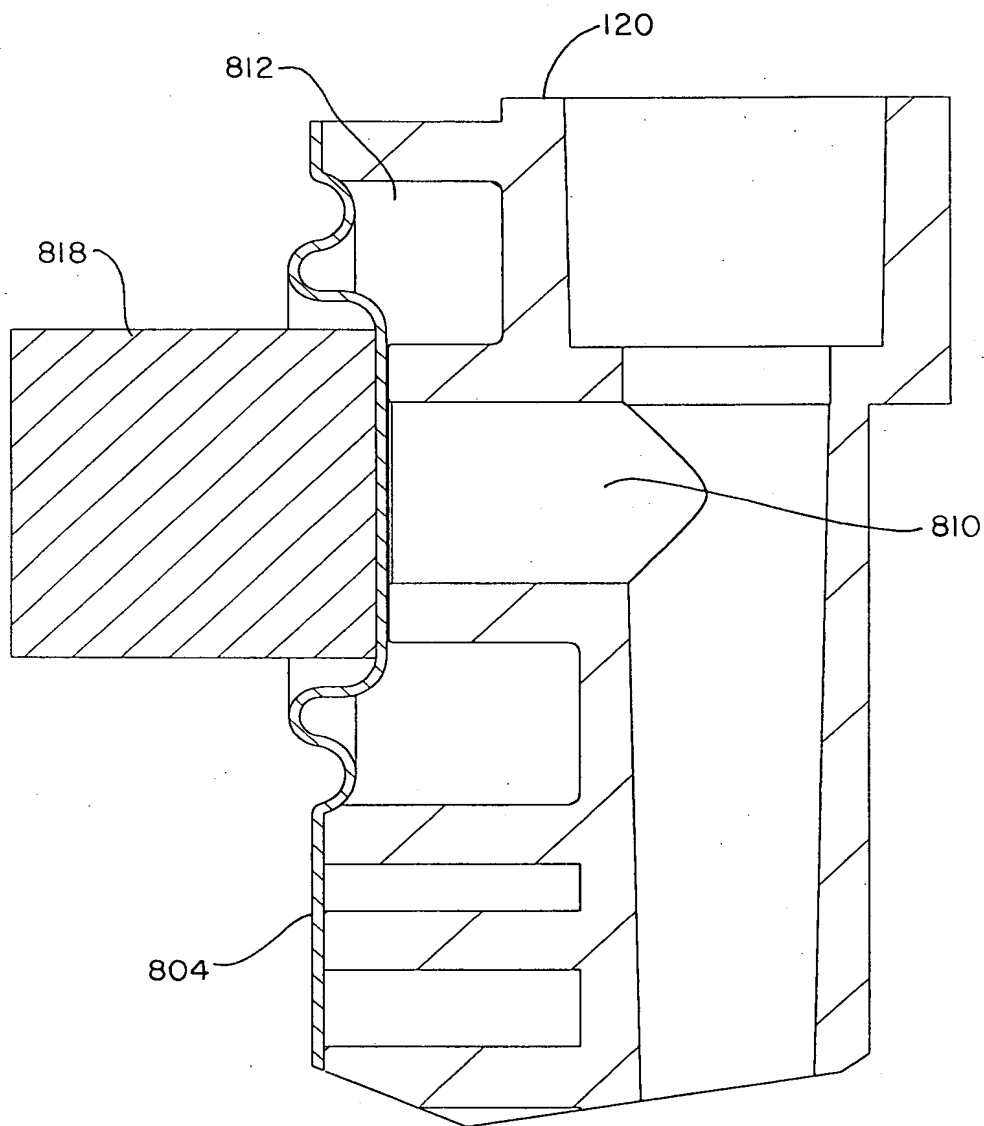
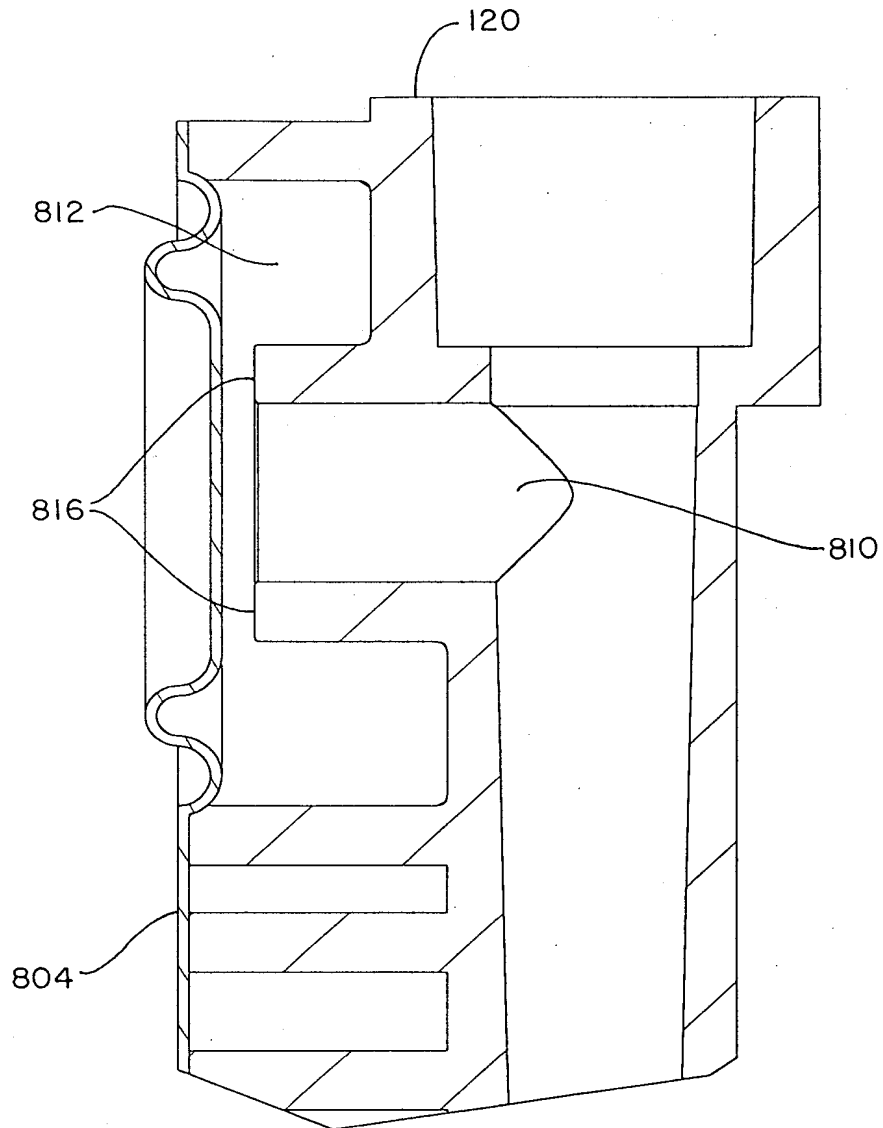


Fig. 24B



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Fig.25

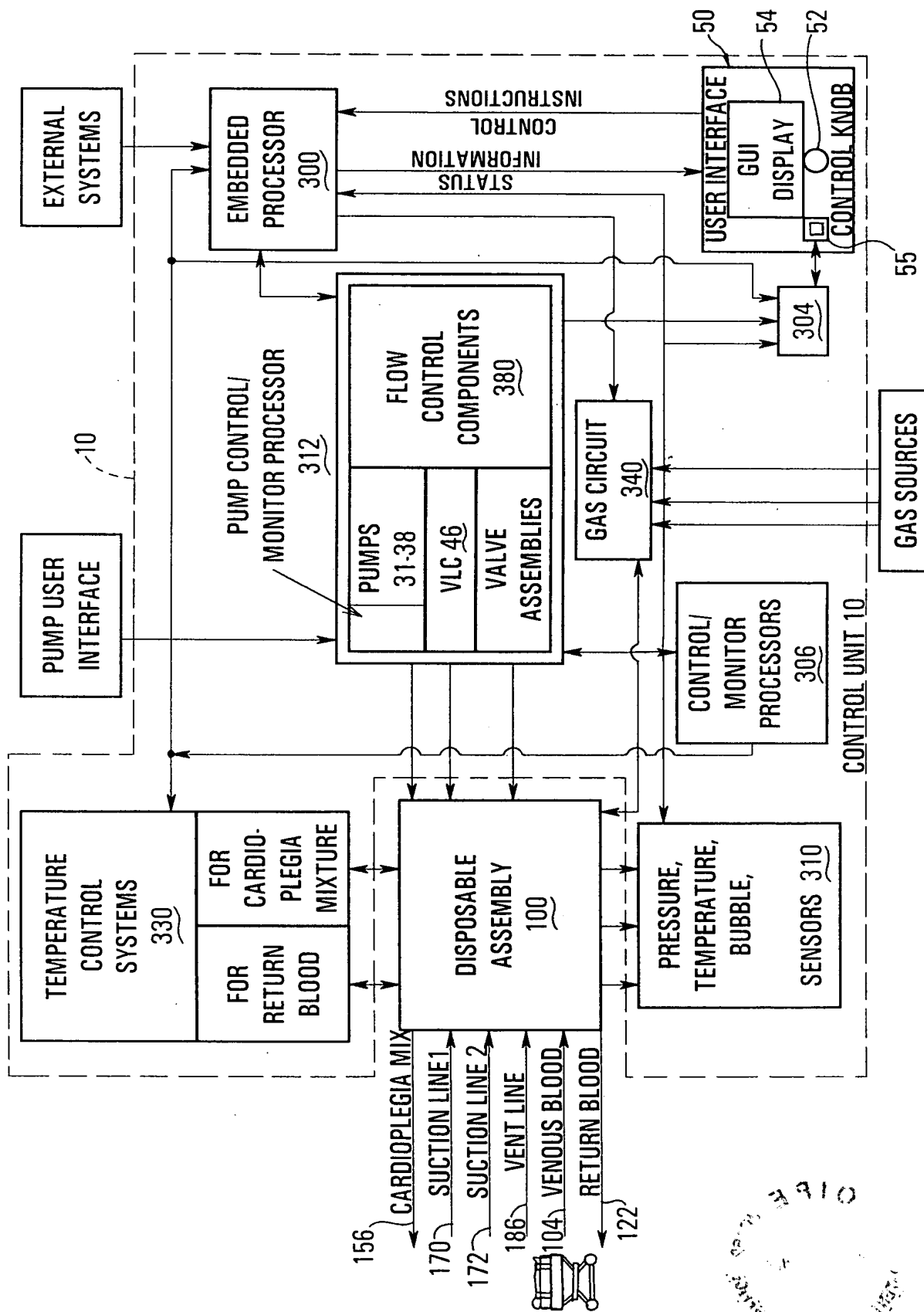


Fig. 26

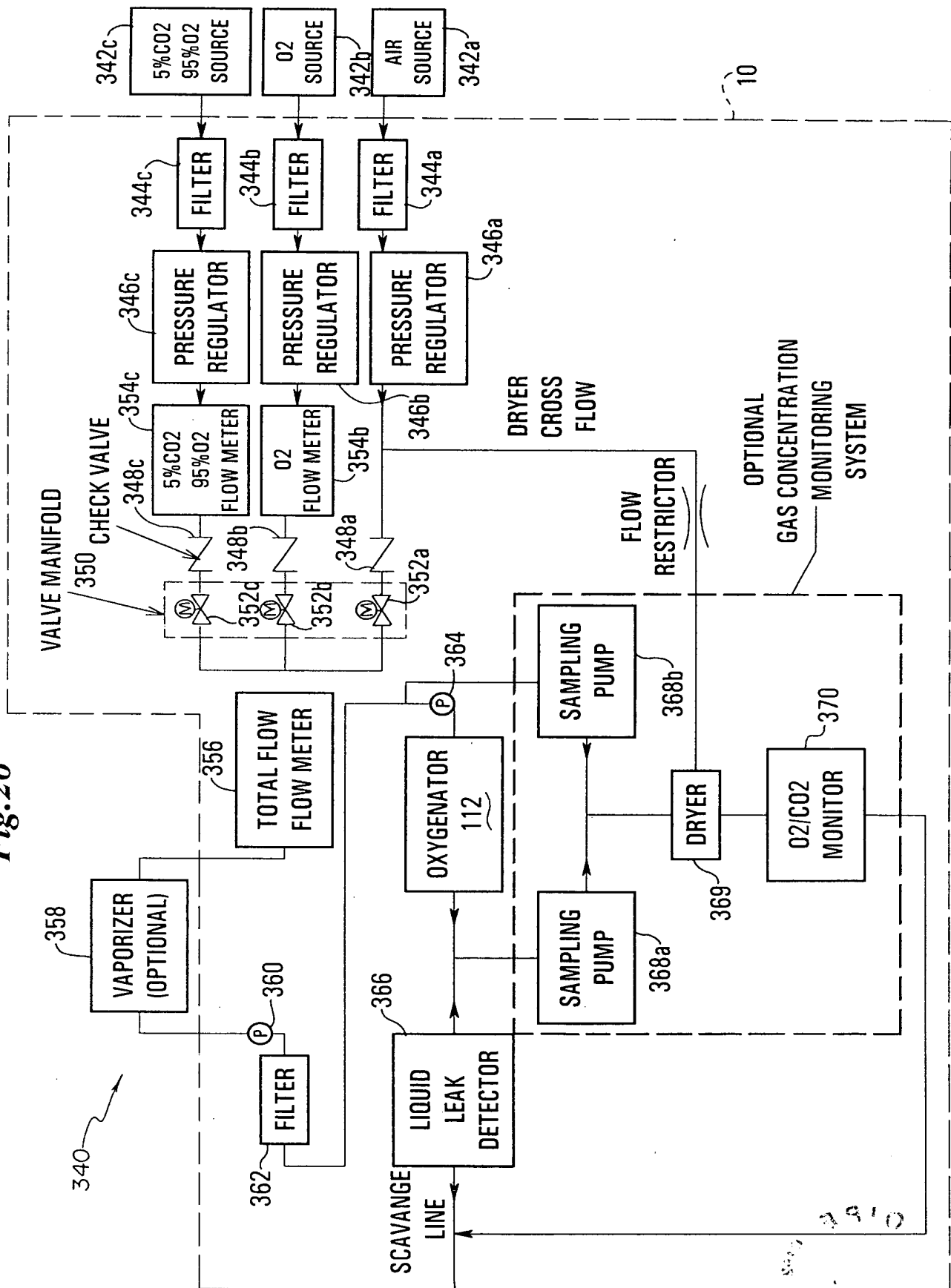
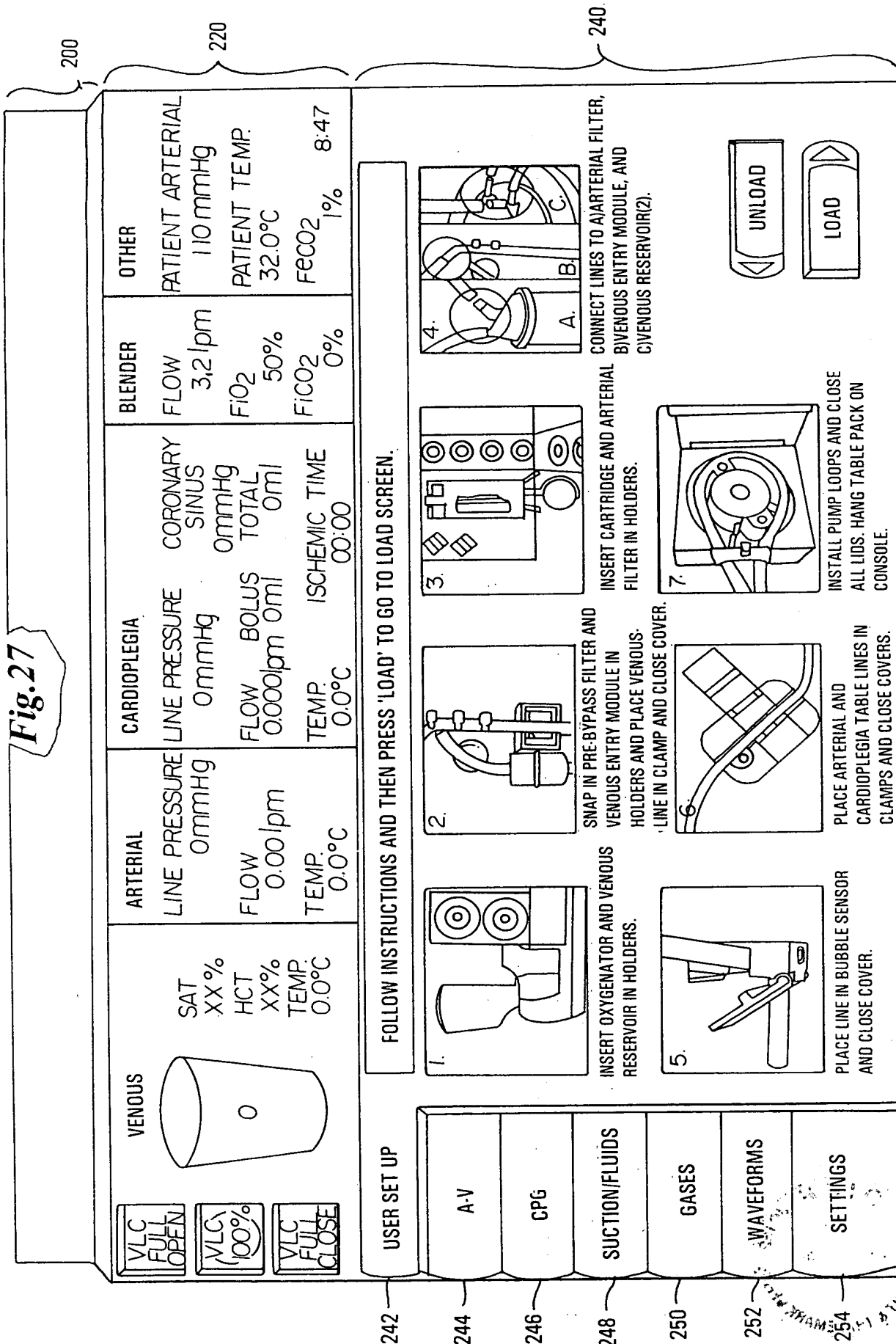


Fig. 27



202a' 202a 202b 202c' 202c

Fig.28A

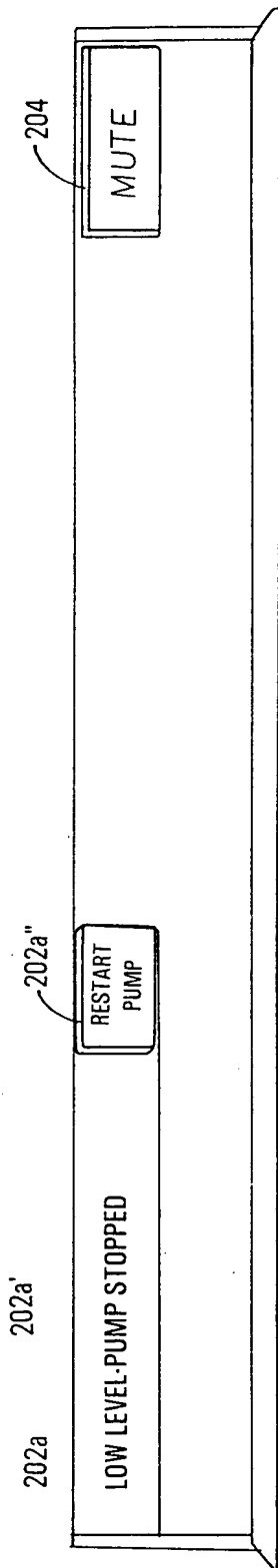


Fig.28B

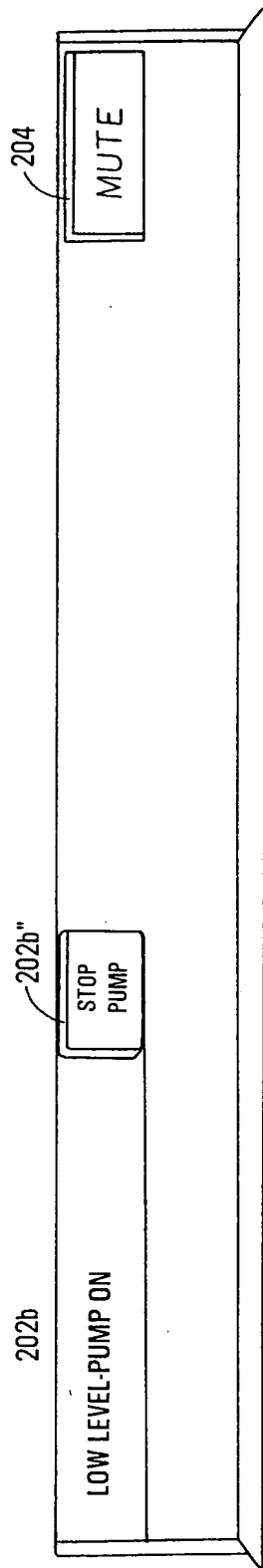


Fig.28C

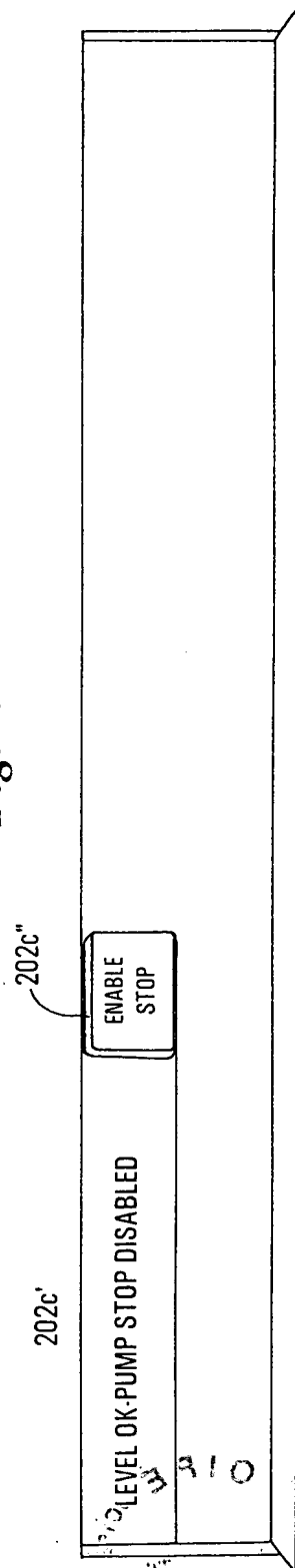
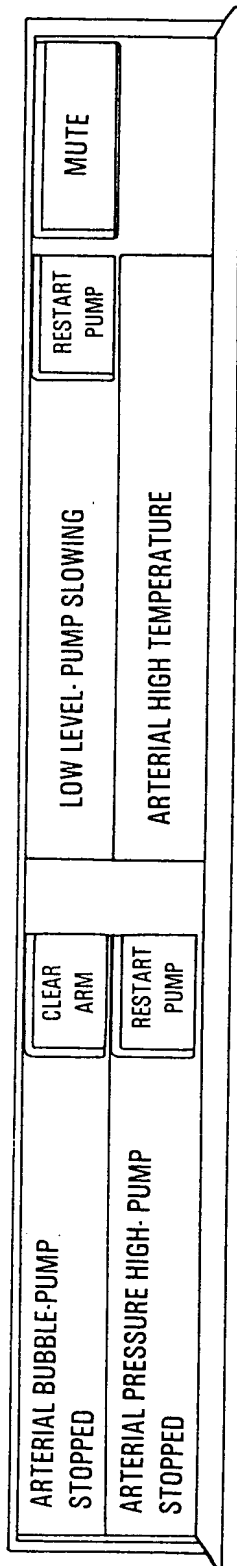
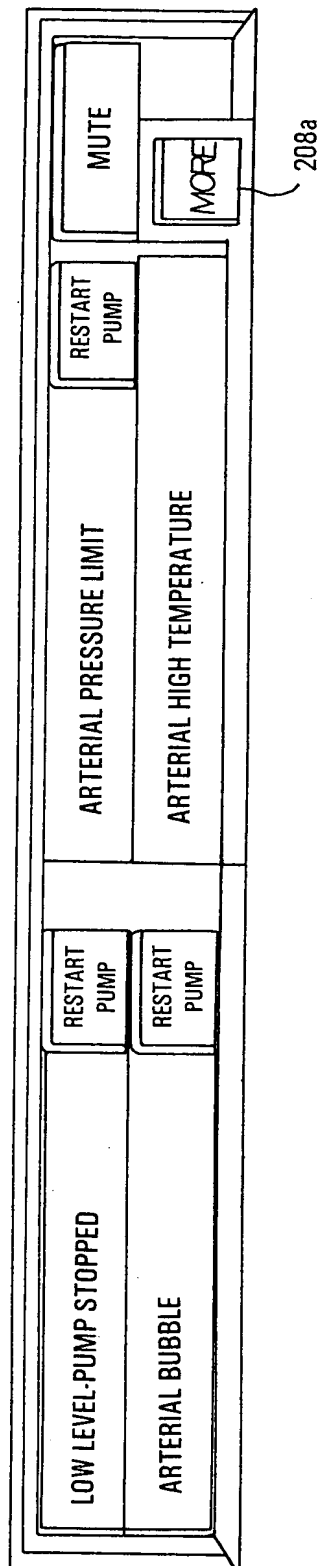
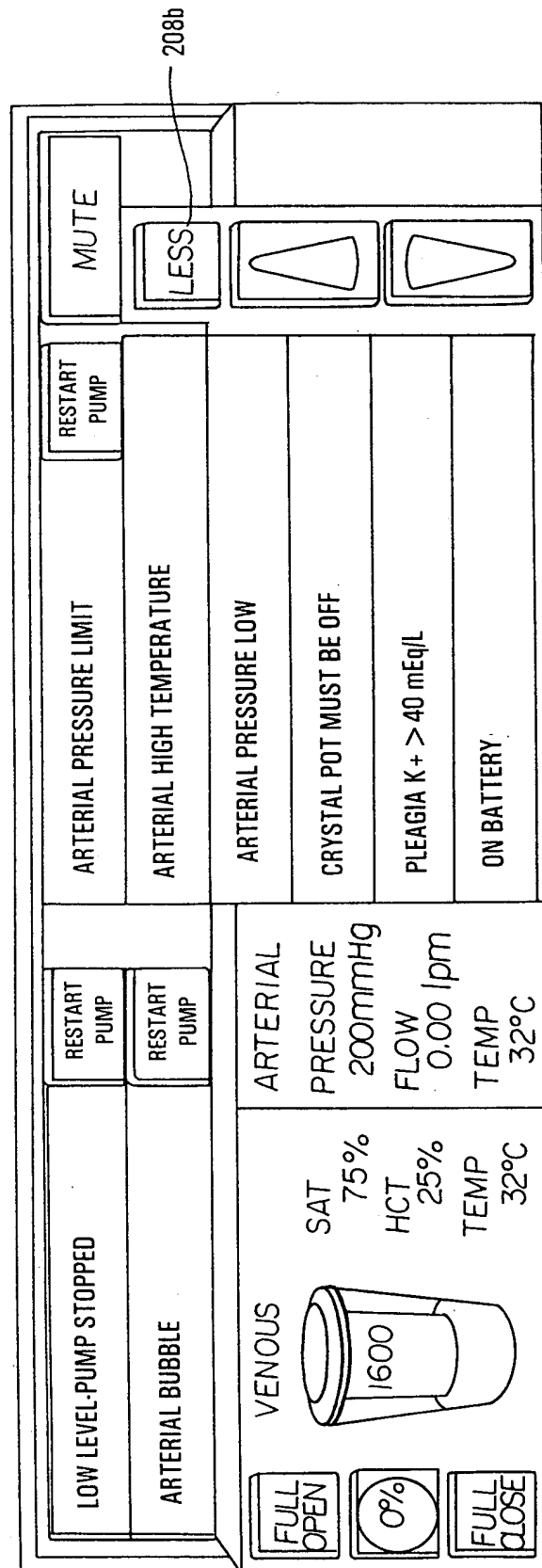


Fig. 28D*Fig. 28E*

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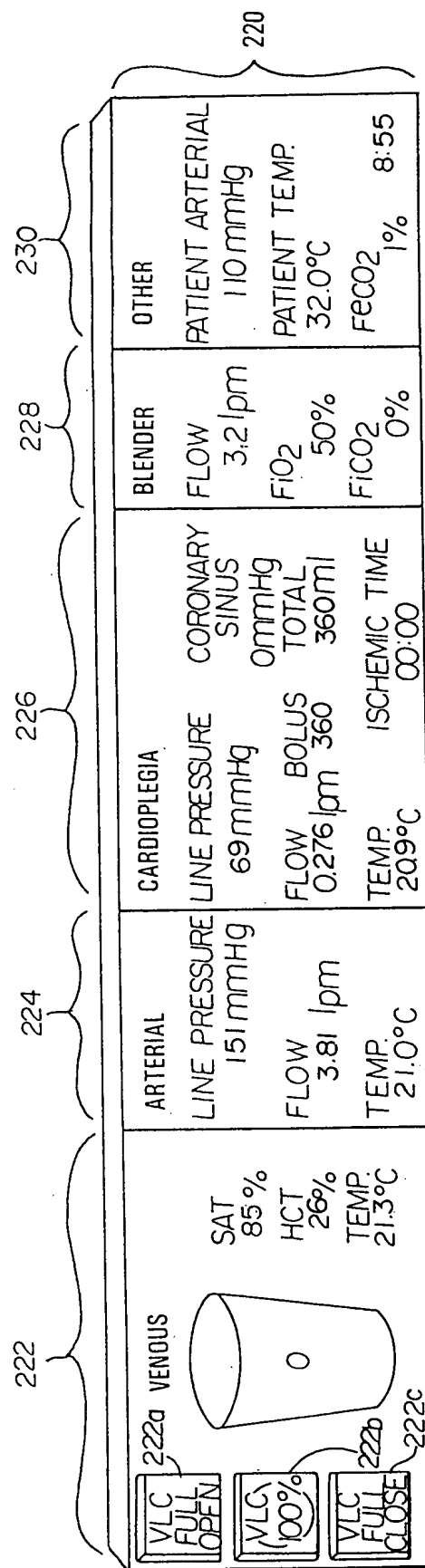
Serial No. 09/963,878
Applicant: Bruce Ellingboe et al.
Attorney Docket: CV0290US
Attorney: Terry L. Wiles
Telephone: (612) 334-8992

Fig. 28F



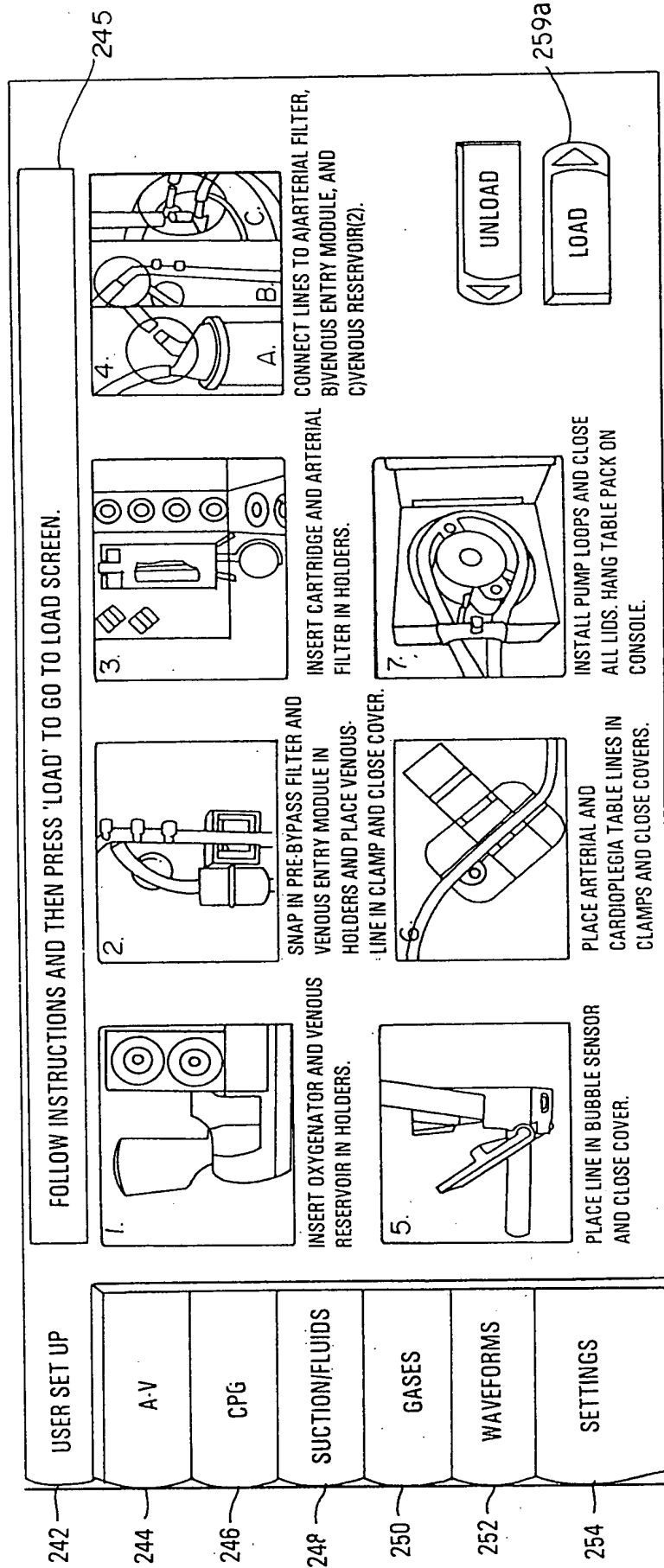
OPEN

Fig. 29



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DIRECTOR
OF THE
BUREAU OF
THE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C.

Fig. 30A



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Fig.30B

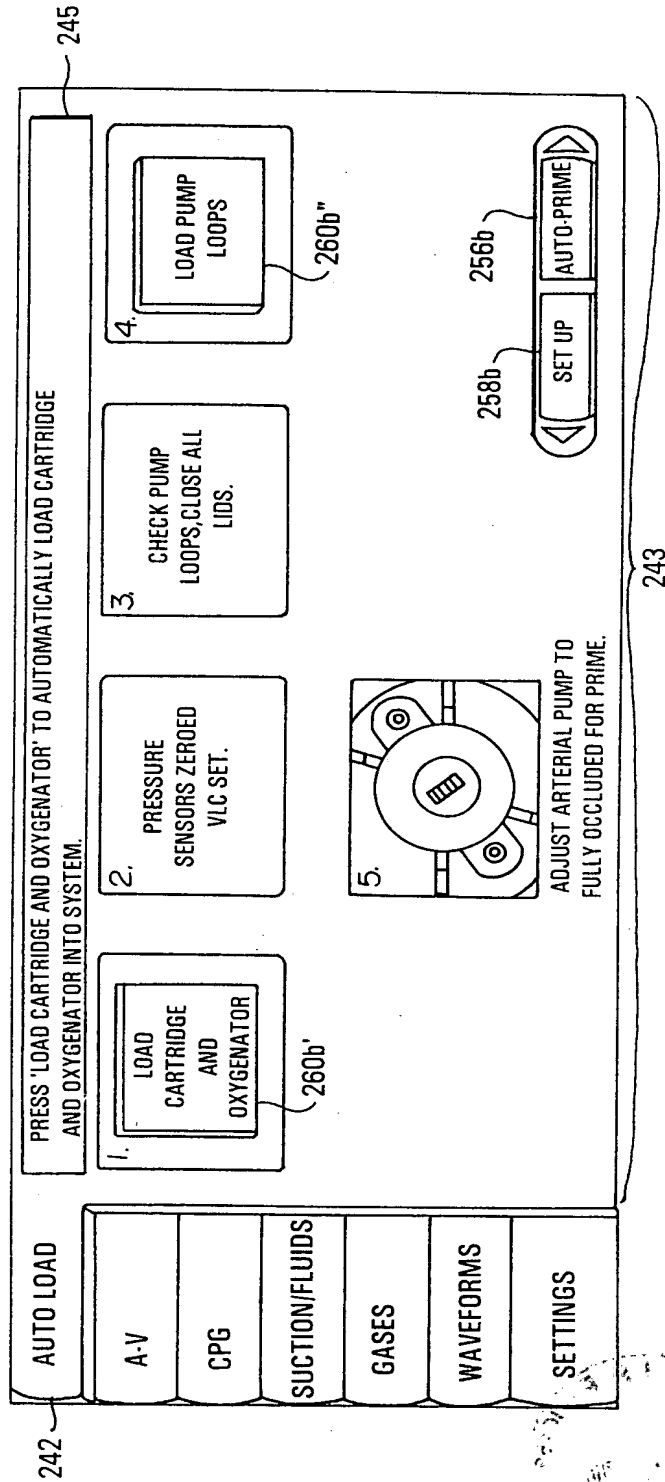


Fig.30C

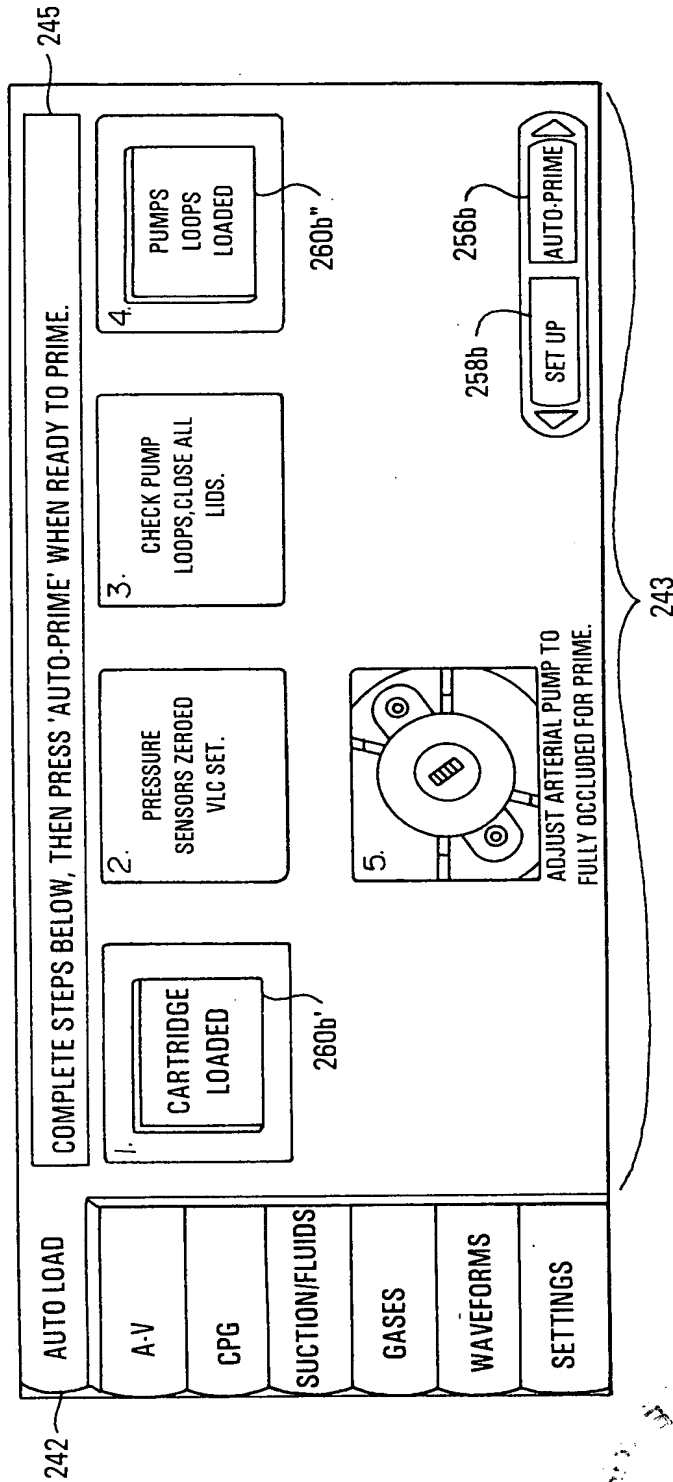
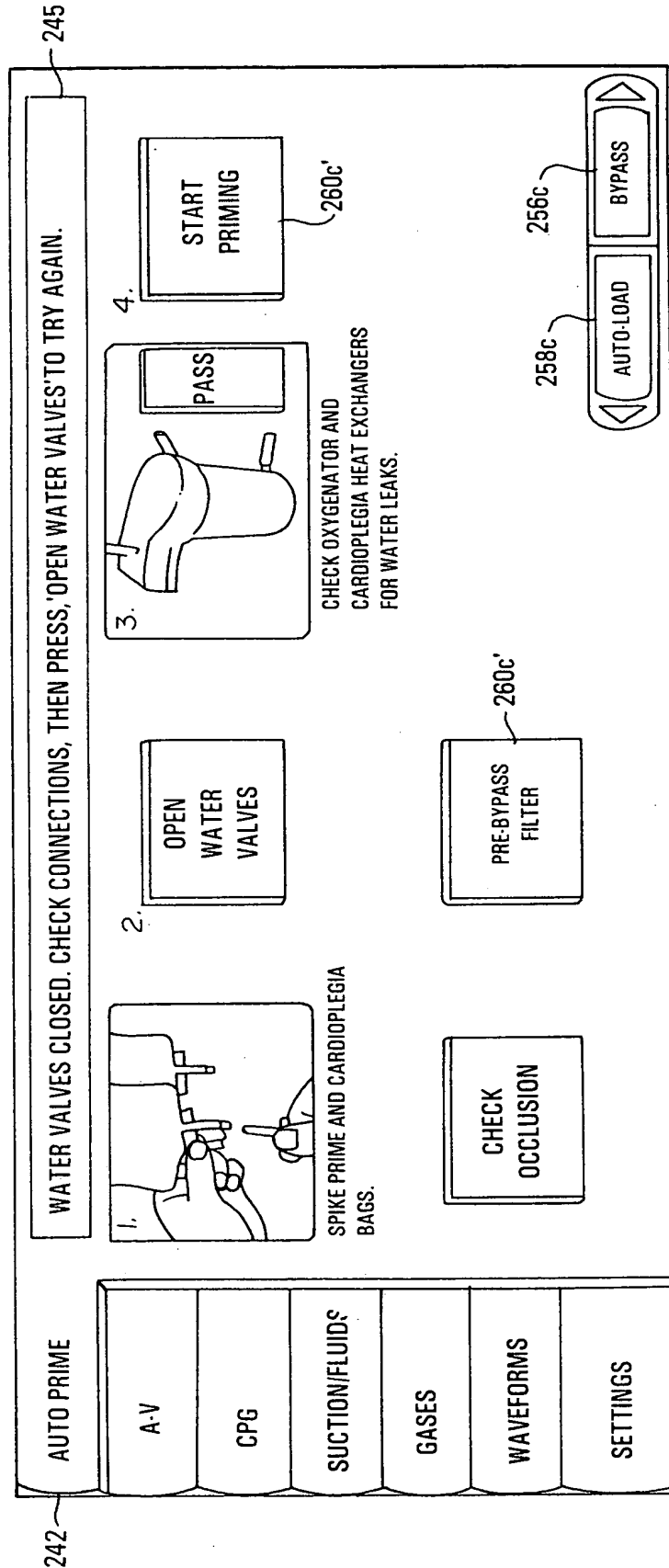
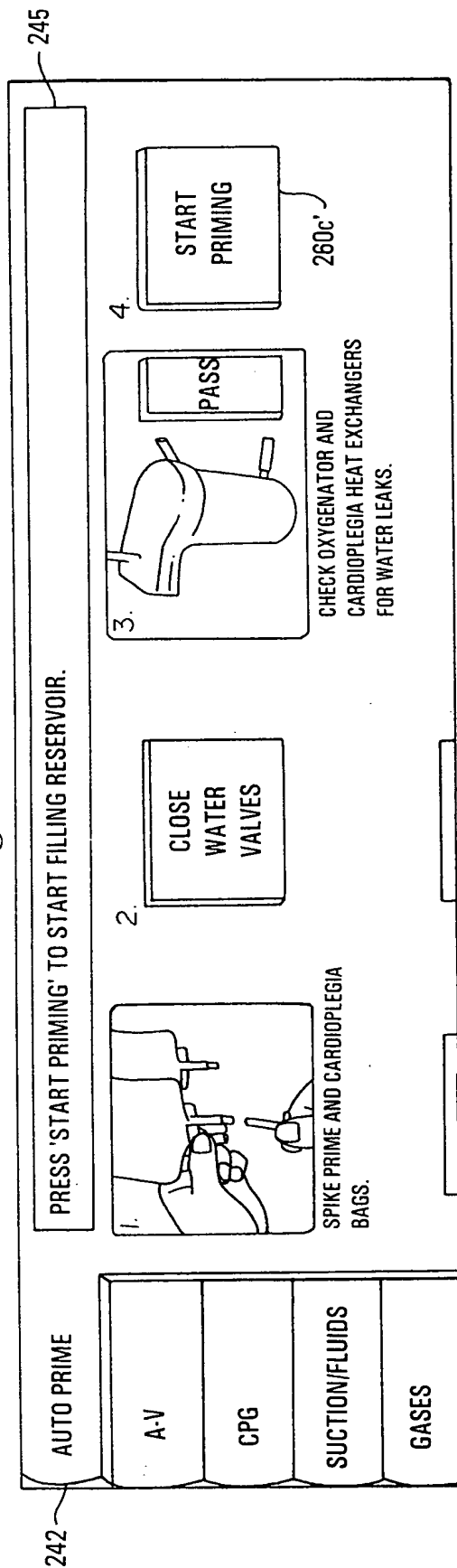


Fig.30D



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Fig. 30E



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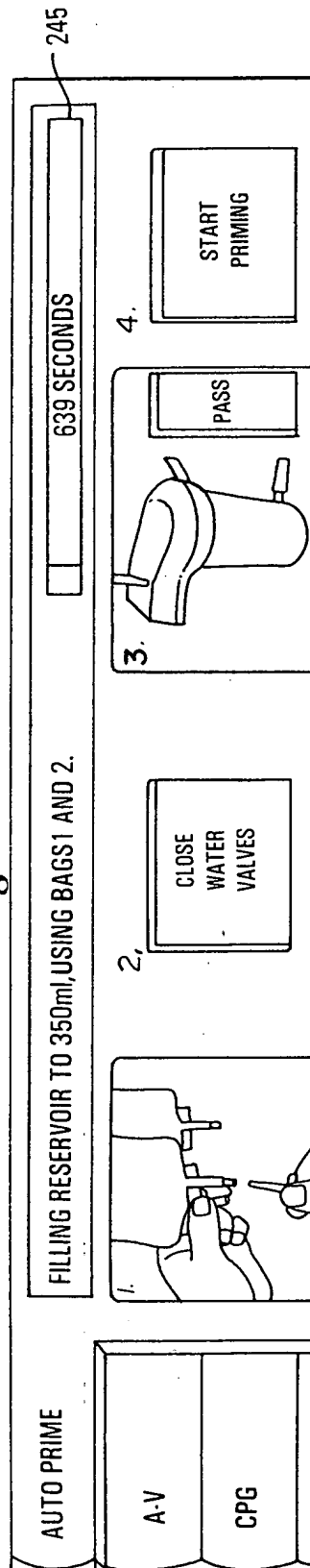
Fig. 30F

Fig. 30G

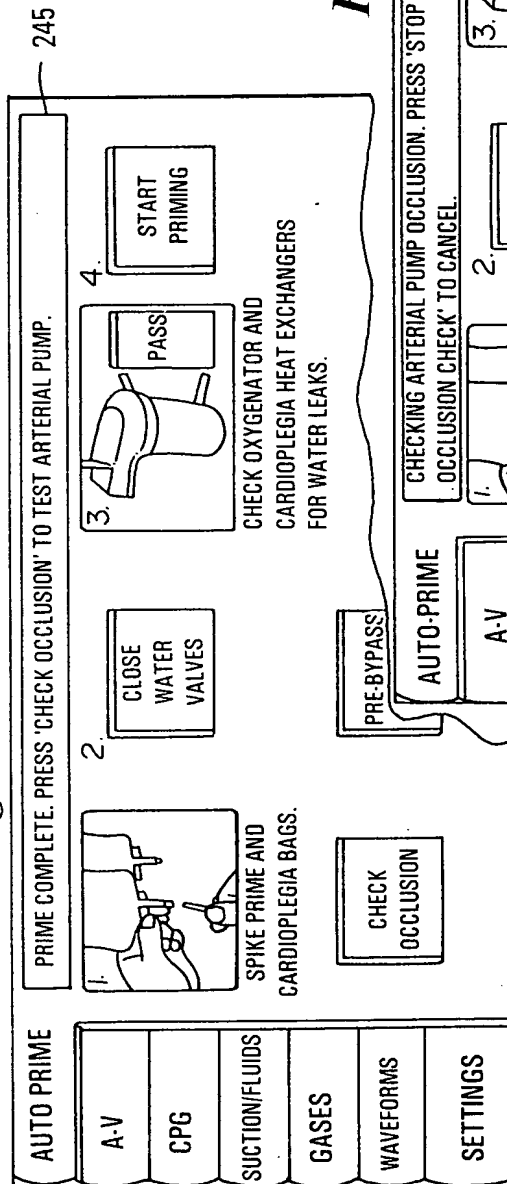
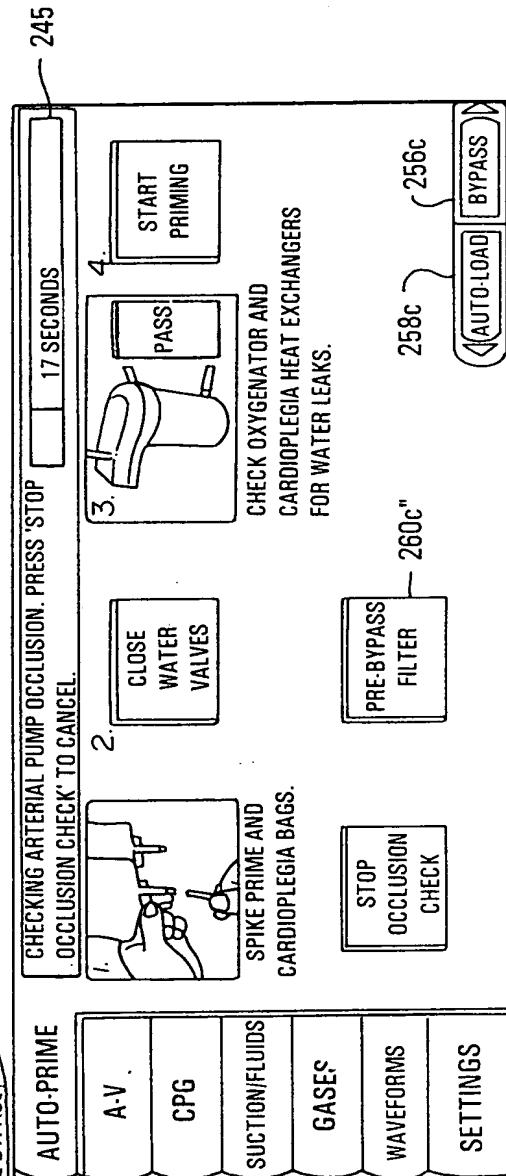


Fig. 30H



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Fig. 301

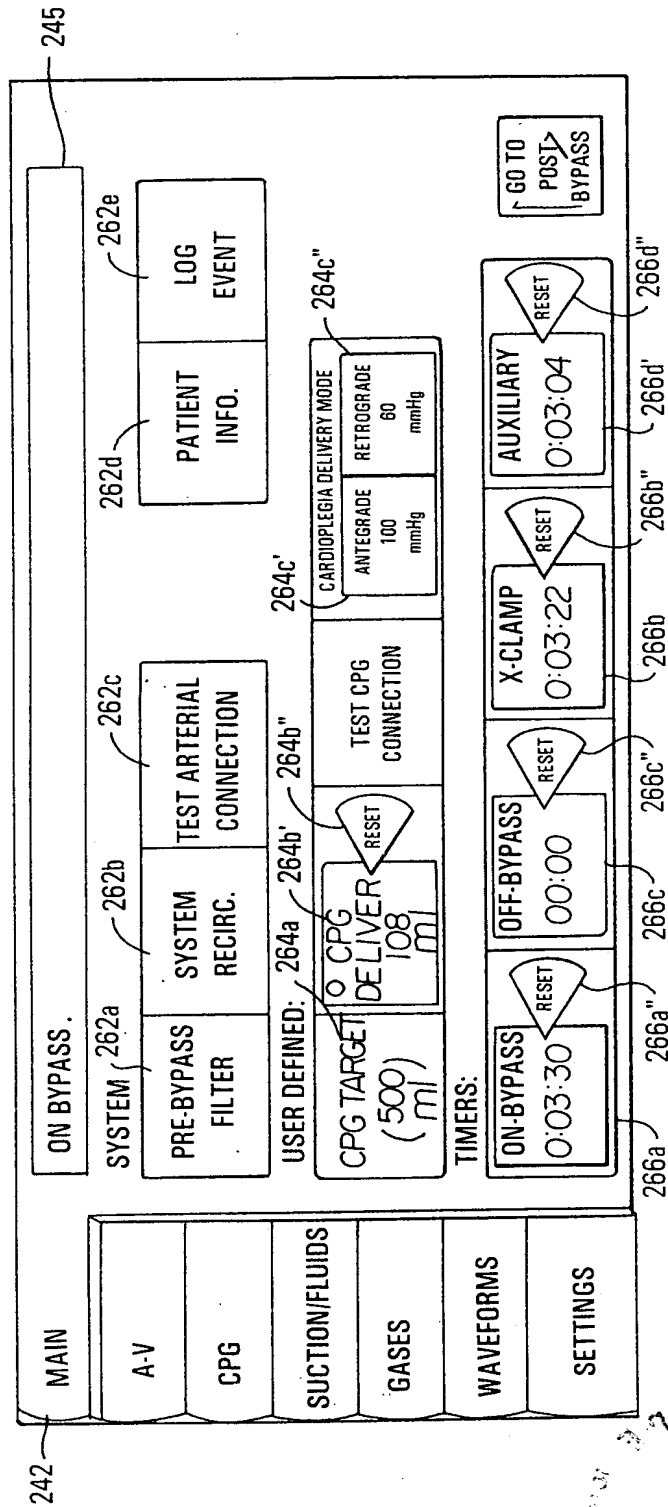
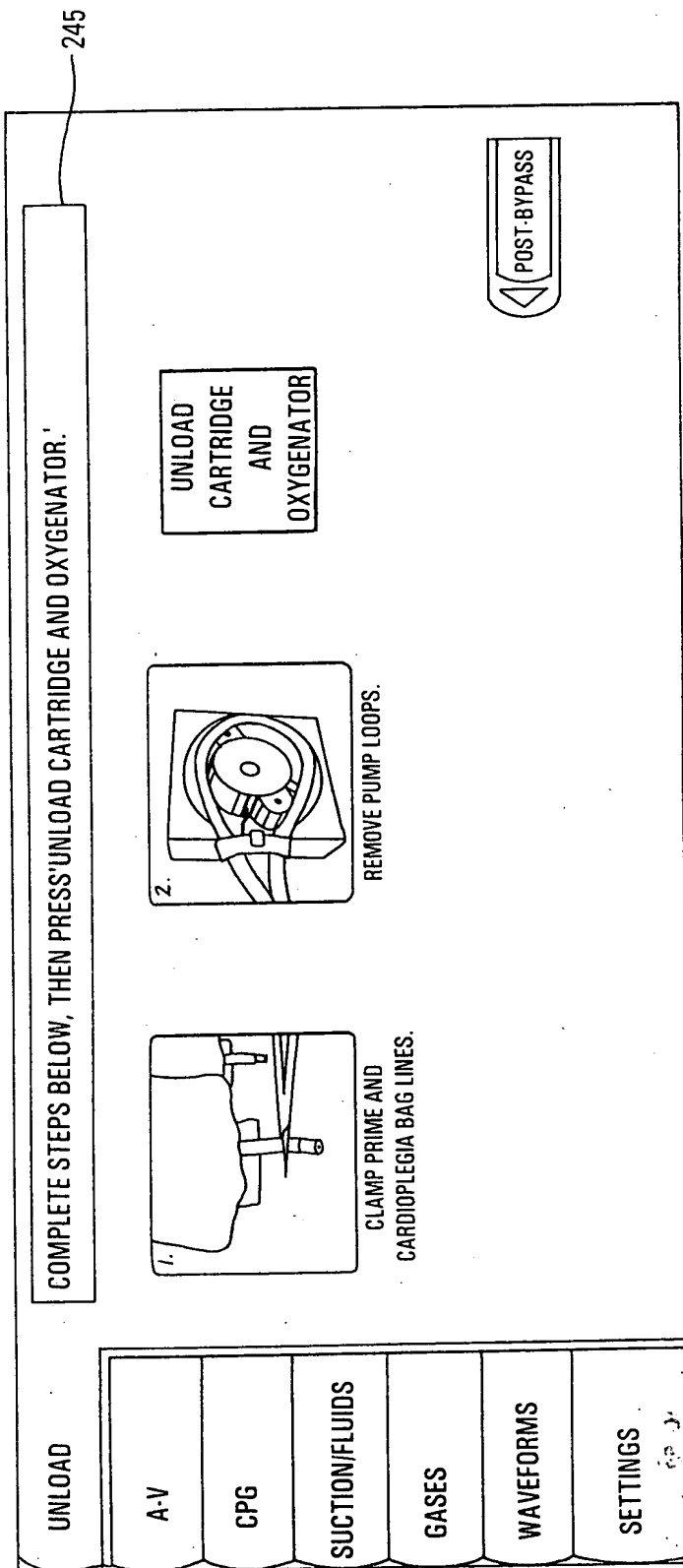


Fig.30J

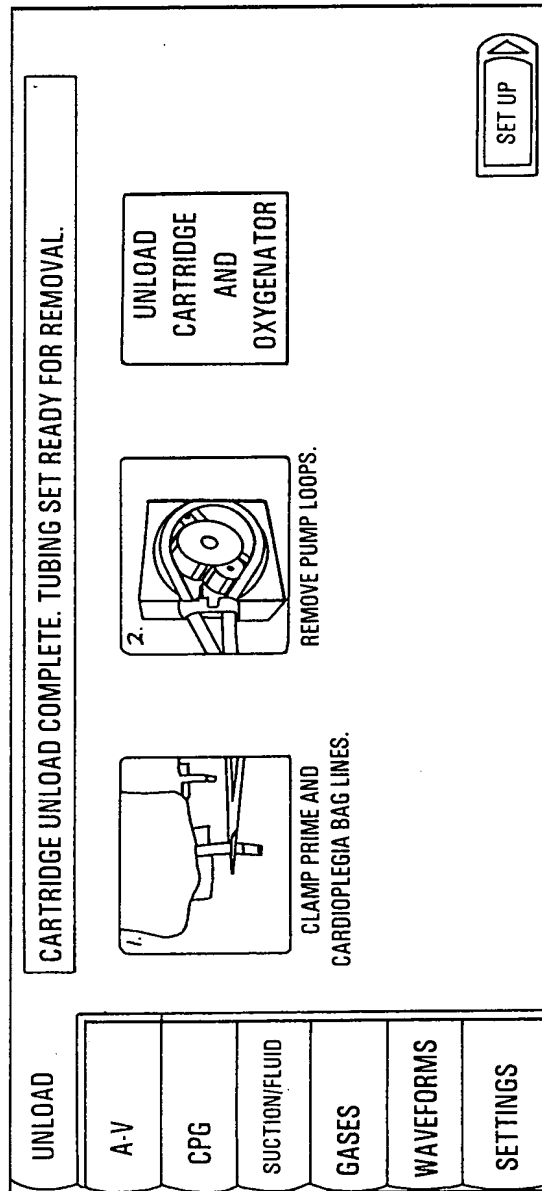
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A-V																																	
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GASES																																	
WAVEFORMS																																	
SETTINGS																																	
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">SYSTEM</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">PRE-BYPASS FILTER</td> <td style="width: 33%;">SYSTEM RECIRC.</td> <td style="width: 33%;">TEST ARTERIAL CONNECTION</td> </tr> </table> </div> <div style="width: 45%;"> <p style="text-align: center;">LOG EVENT</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> <p style="text-align: center;">USER DEFINED: 264d' 264d"</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">FILL PATIENT</td> <td colspan="2" style="text-align: center;">CHASE</td> <td colspan="2" style="text-align: center;">TO BAGS</td> </tr> <tr> <td style="width: 33%;">BOLUS ml</td> <td style="width: 33%;">DELIVER 0 ml</td> <td style="width: 33%;">BOLUS ml</td> <td style="width: 33%;">DELIVER ml</td> <td colspan="2"></td> </tr> </table> </div> <div style="width: 45%;"> <p style="text-align: center;">TIMERS:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">ON-BYPASS 0:05:57</td> <td style="width: 33%;">OFF-BYPASS 00:45</td> <td style="width: 33%;">X-CLAMP 0:06:34</td> <td style="width: 33%;">AUXILIARY 0:03:47</td> </tr> <tr> <td style="text-align: center;">RESET</td> <td style="text-align: center;">RESET</td> <td style="text-align: center;">RESET</td> <td style="text-align: center;">RESET</td> </tr> </table> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> <p style="text-align: center;">RETURN TO < BYPASS</p> </div> <div style="width: 45%;"> <p style="text-align: center;">MOVE TO UNLOADING</p> </div> </div>											PRE-BYPASS FILTER	SYSTEM RECIRC.	TEST ARTERIAL CONNECTION	FILL PATIENT		CHASE		TO BAGS		BOLUS ml	DELIVER 0 ml	BOLUS ml	DELIVER ml			ON-BYPASS 0:05:57	OFF-BYPASS 00:45	X-CLAMP 0:06:34	AUXILIARY 0:03:47	RESET	RESET	RESET	RESET
PRE-BYPASS FILTER	SYSTEM RECIRC.	TEST ARTERIAL CONNECTION																															
FILL PATIENT		CHASE		TO BAGS																													
BOLUS ml	DELIVER 0 ml	BOLUS ml	DELIVER ml																														
ON-BYPASS 0:05:57	OFF-BYPASS 00:45	X-CLAMP 0:06:34	AUXILIARY 0:03:47																														
RESET	RESET	RESET	RESET																														

Fig. 30K



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 Attorney Docket: CV0290US
 Attorney: Terry L. Wiles
 Telephone: (612) 334-8992

Fig.30L



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Fig. 31A

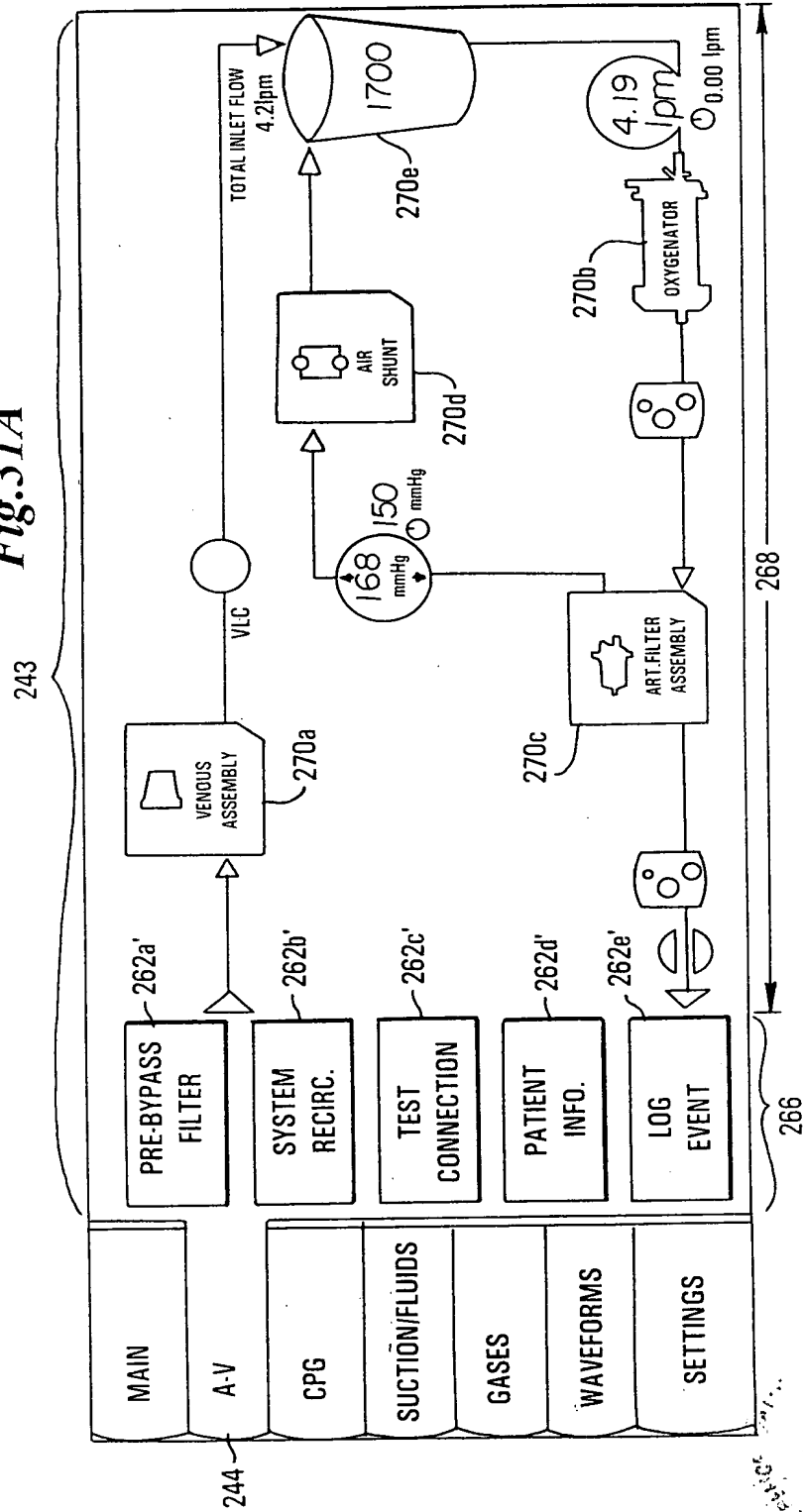


Fig.31B

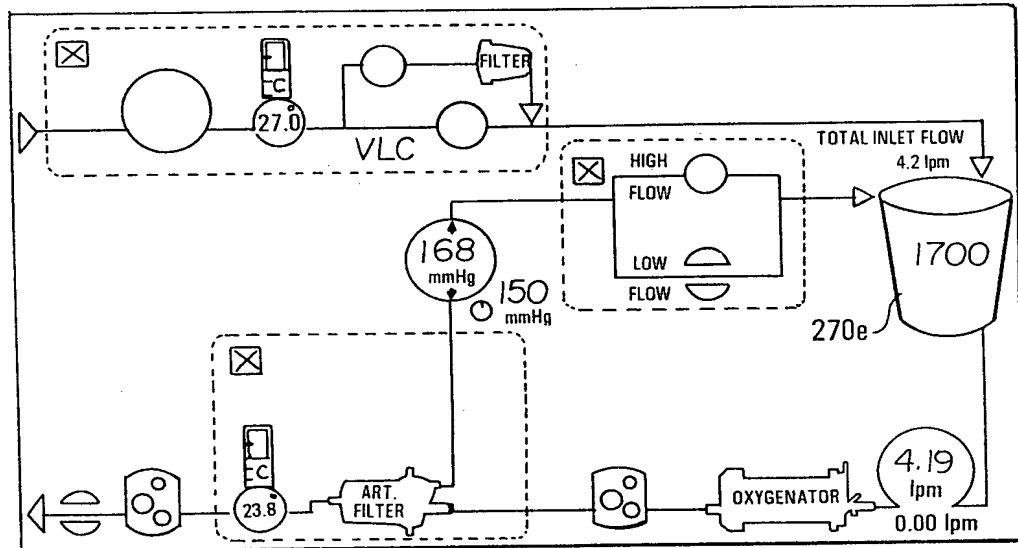


Fig.31C

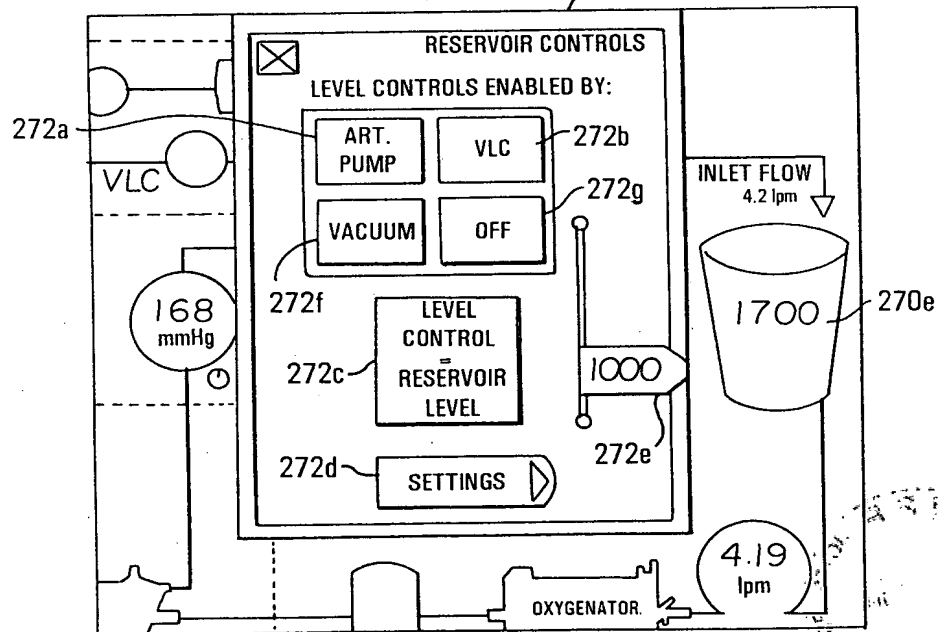


Fig.31D

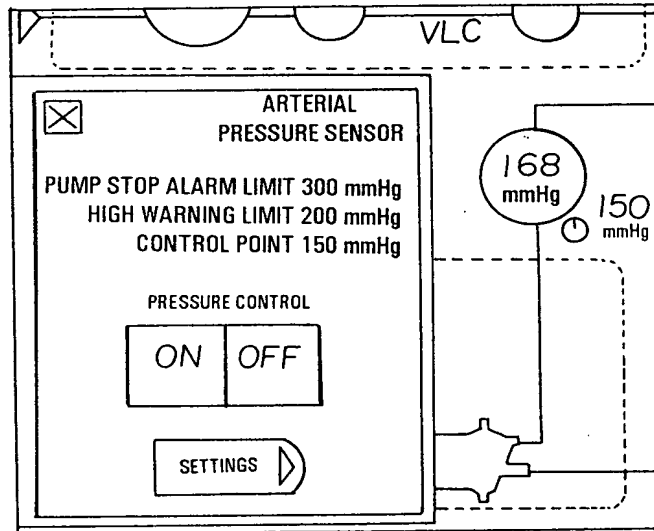


Fig.31E

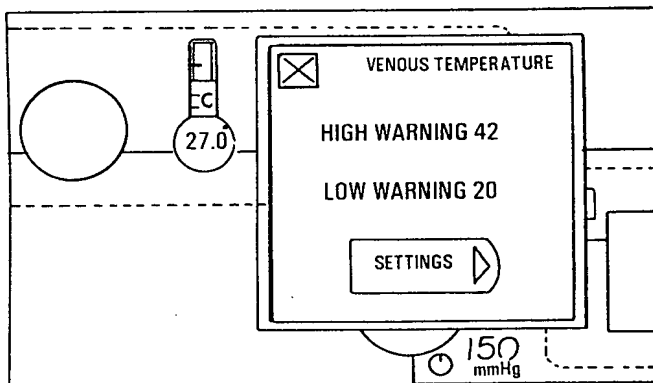


Fig.31F

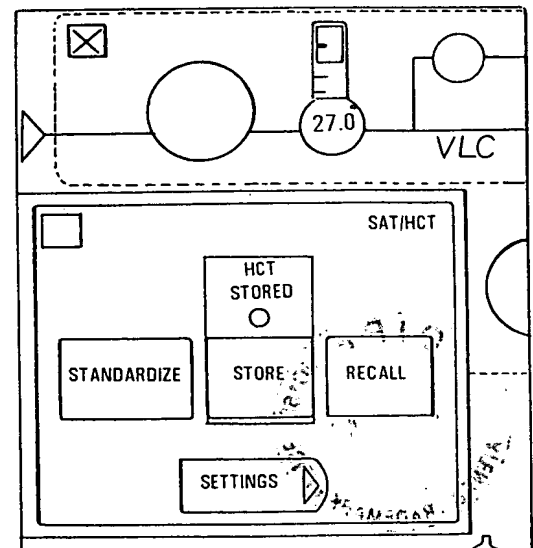


Fig. 32A

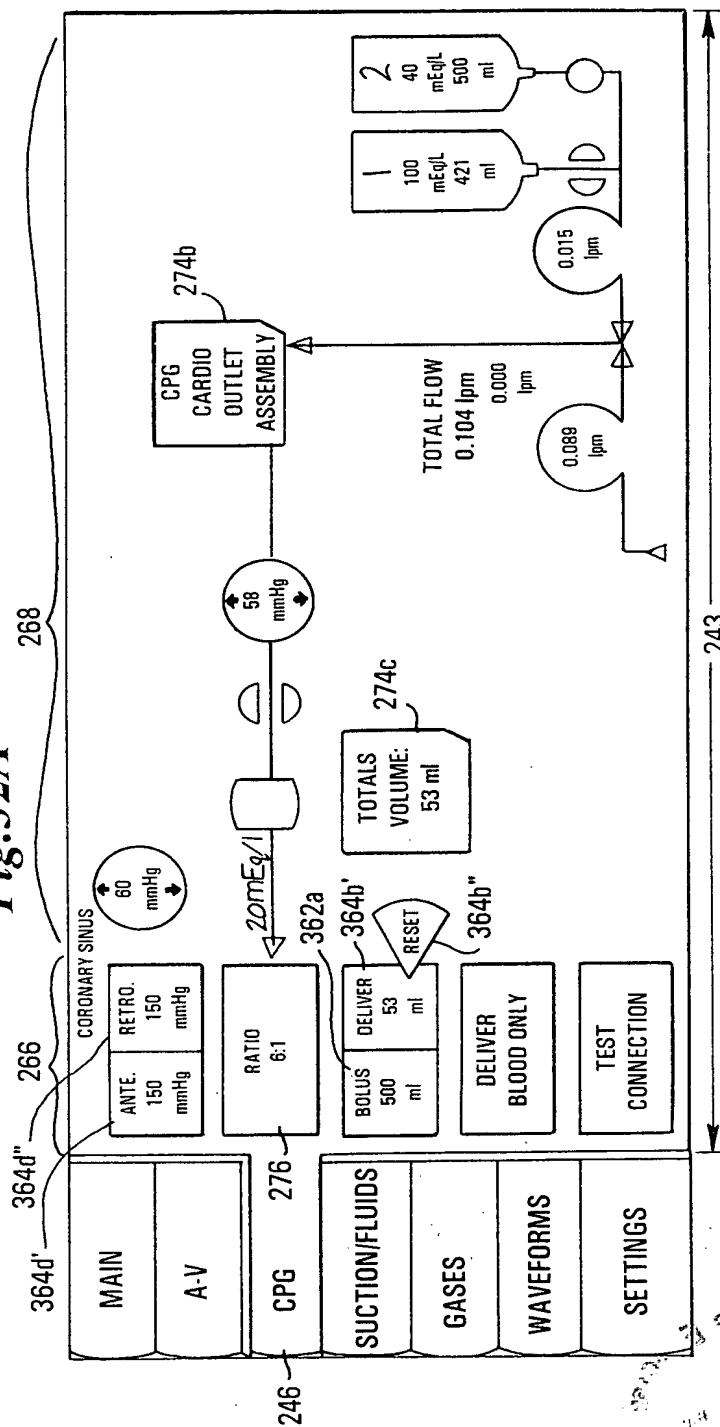


Fig.32B

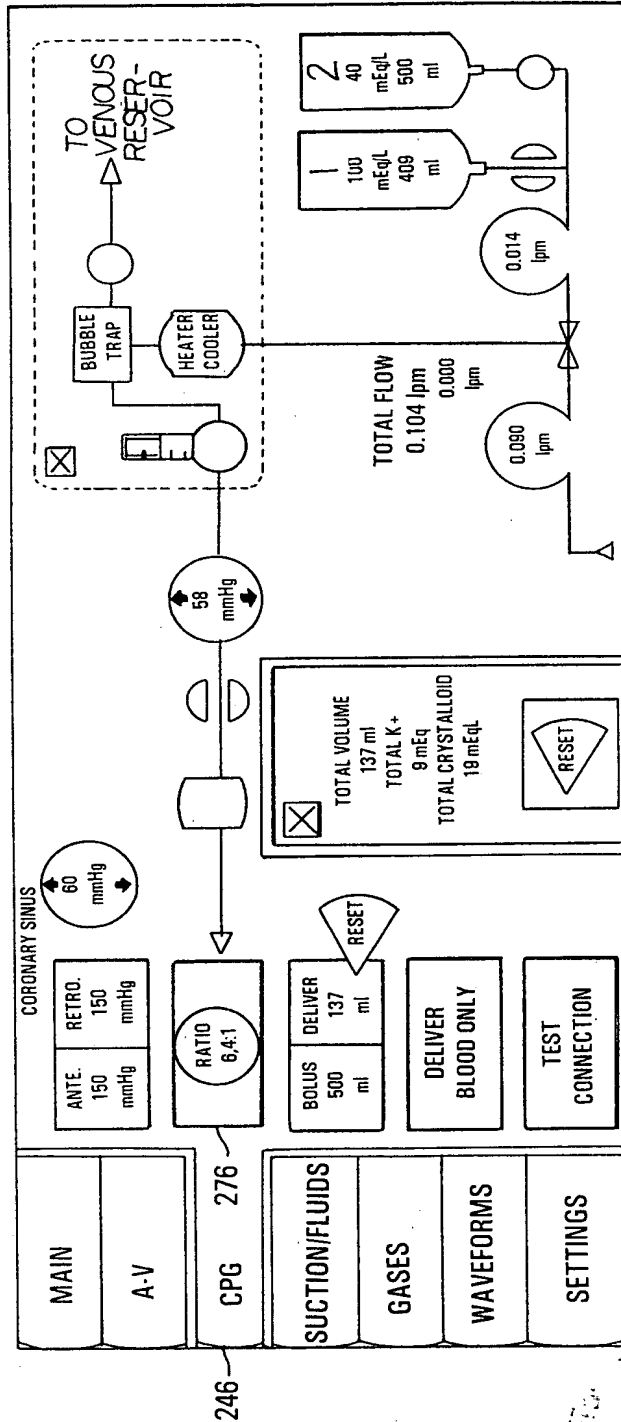


Fig.32C

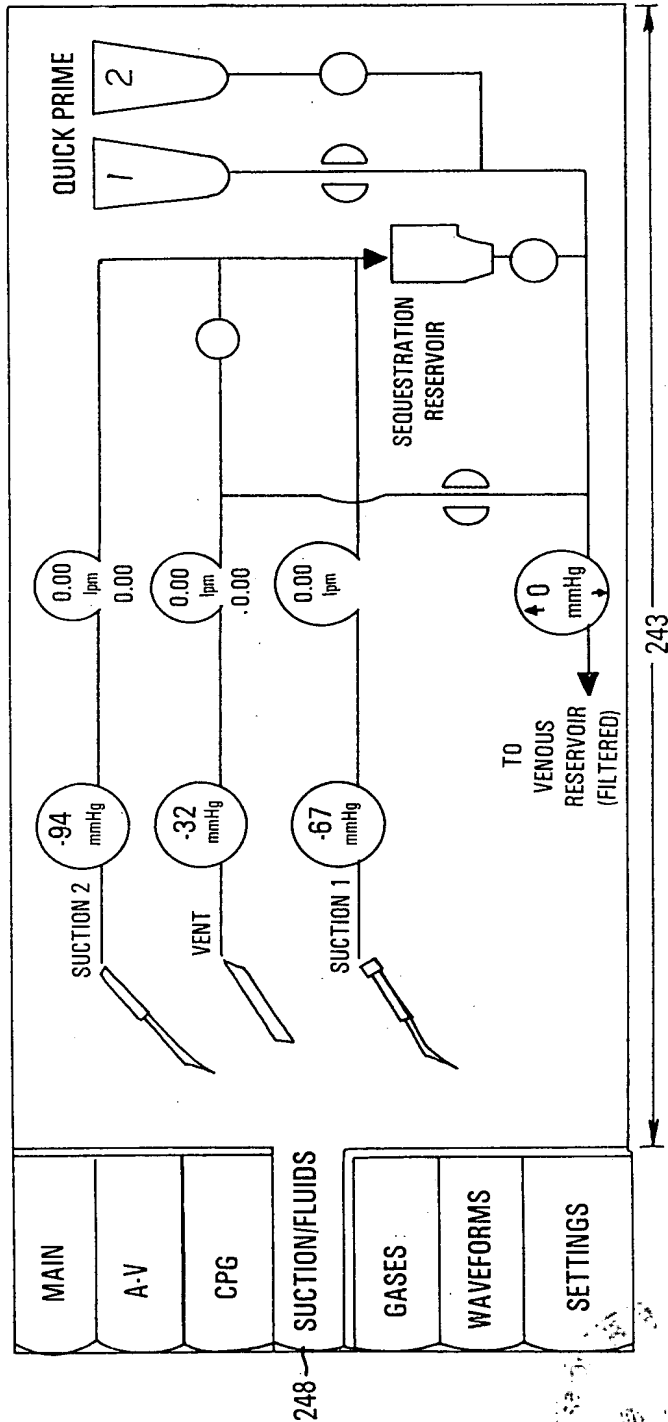
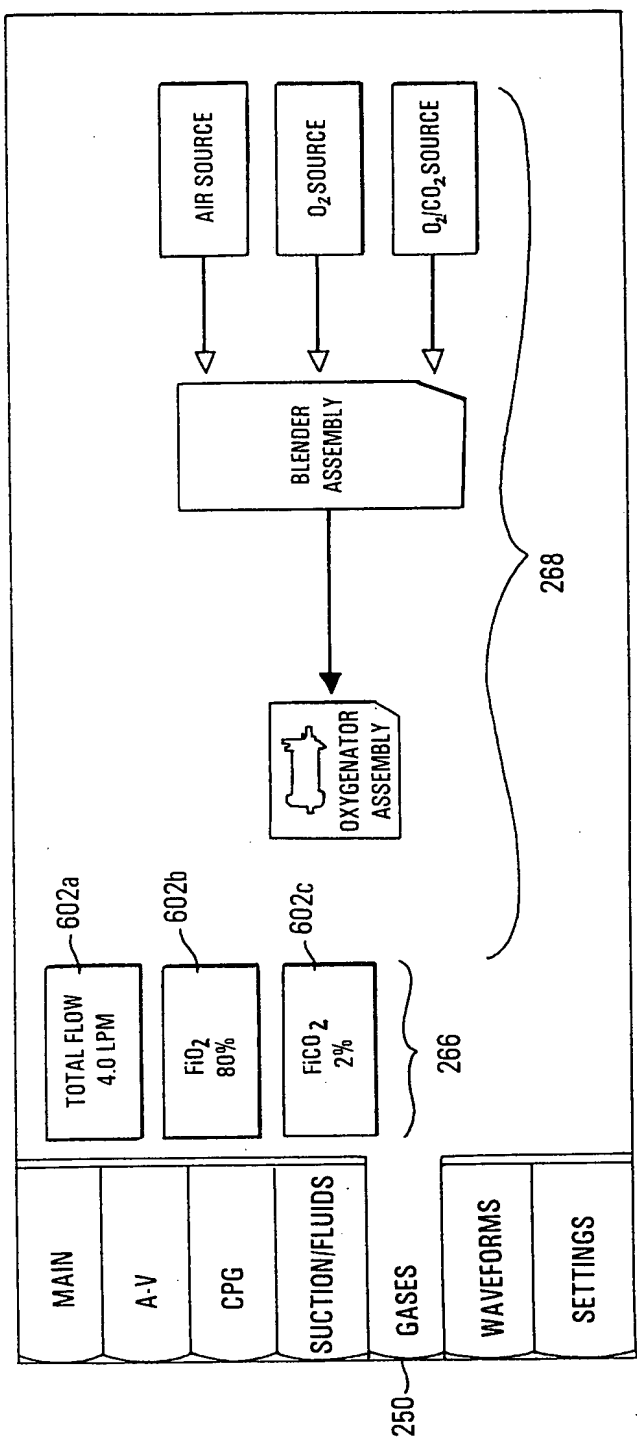


FIG. 32C is a schematic diagram of a medical device interface. The interface includes a control panel with buttons for MAIN, A-V, CP6, SUCTION/FLUIDS, GASES, WAVEFORMS, and SETTINGS. The main display area shows a flow diagram with three suction lines (SUCTION 1, VENT, SUCTION 2) connected to a SEQUESTRATION RESERVOIR. Each line has a pressure gauge (e.g., -67 mmHg, -32 mmHg, -94 mmHg) and a flow gauge (0.00 lpm). The flow diagram also includes a QUICK PRIME section with two chambers (1 and 2) and a filter. A dimension line at the bottom indicates a length of 243.

Fig. 32D



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Fig. 32E

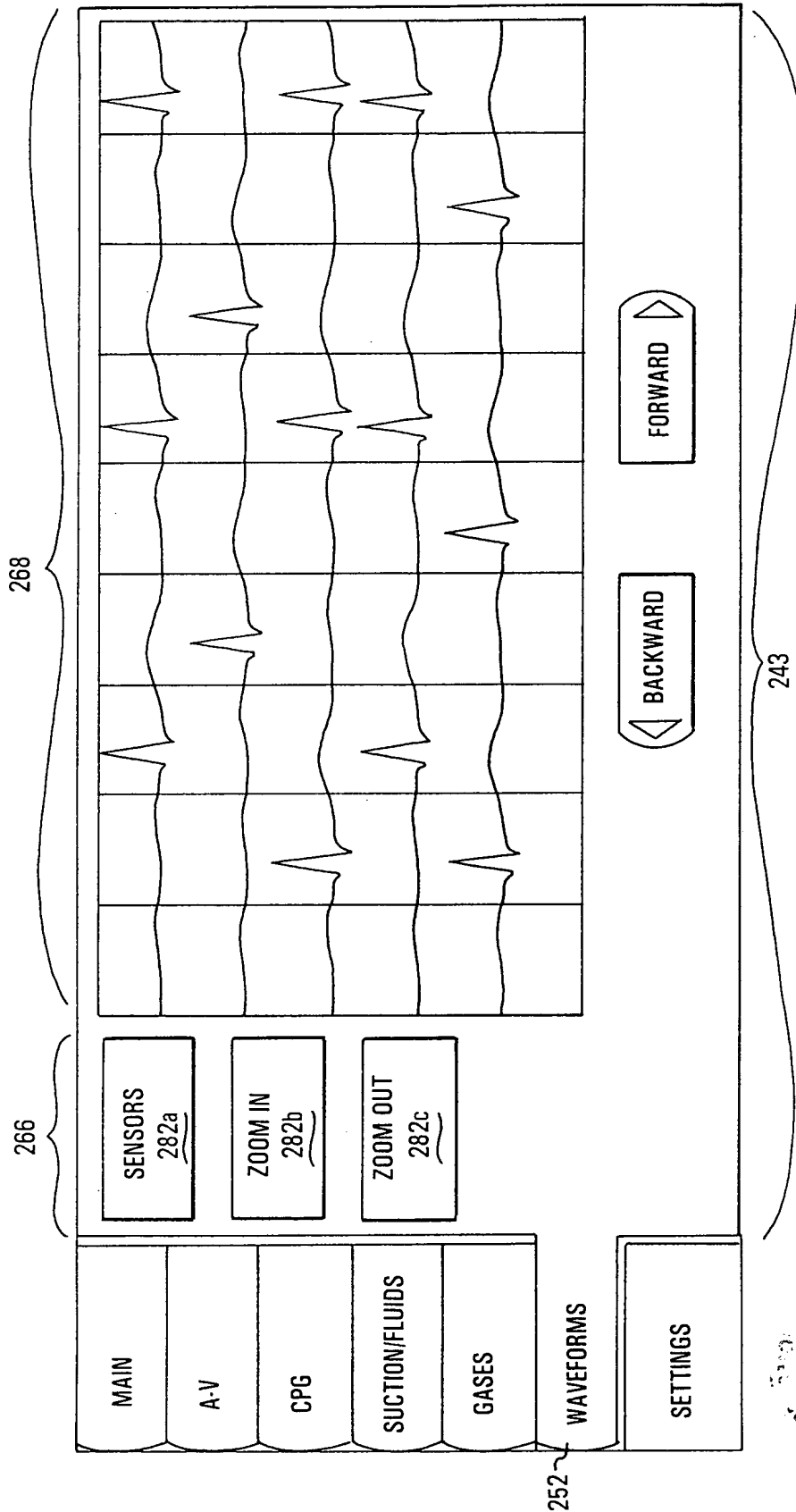
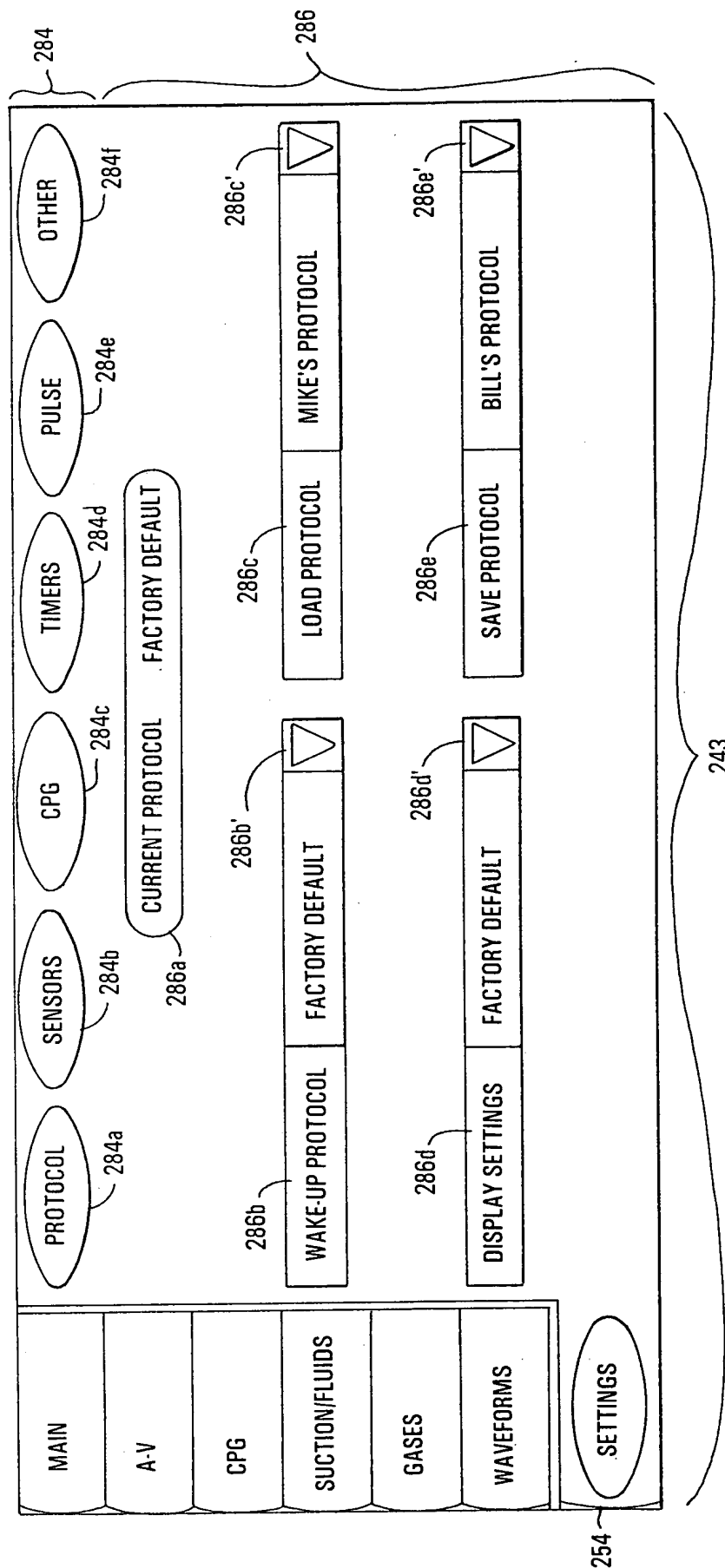


Fig. 33A



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Fig.33B

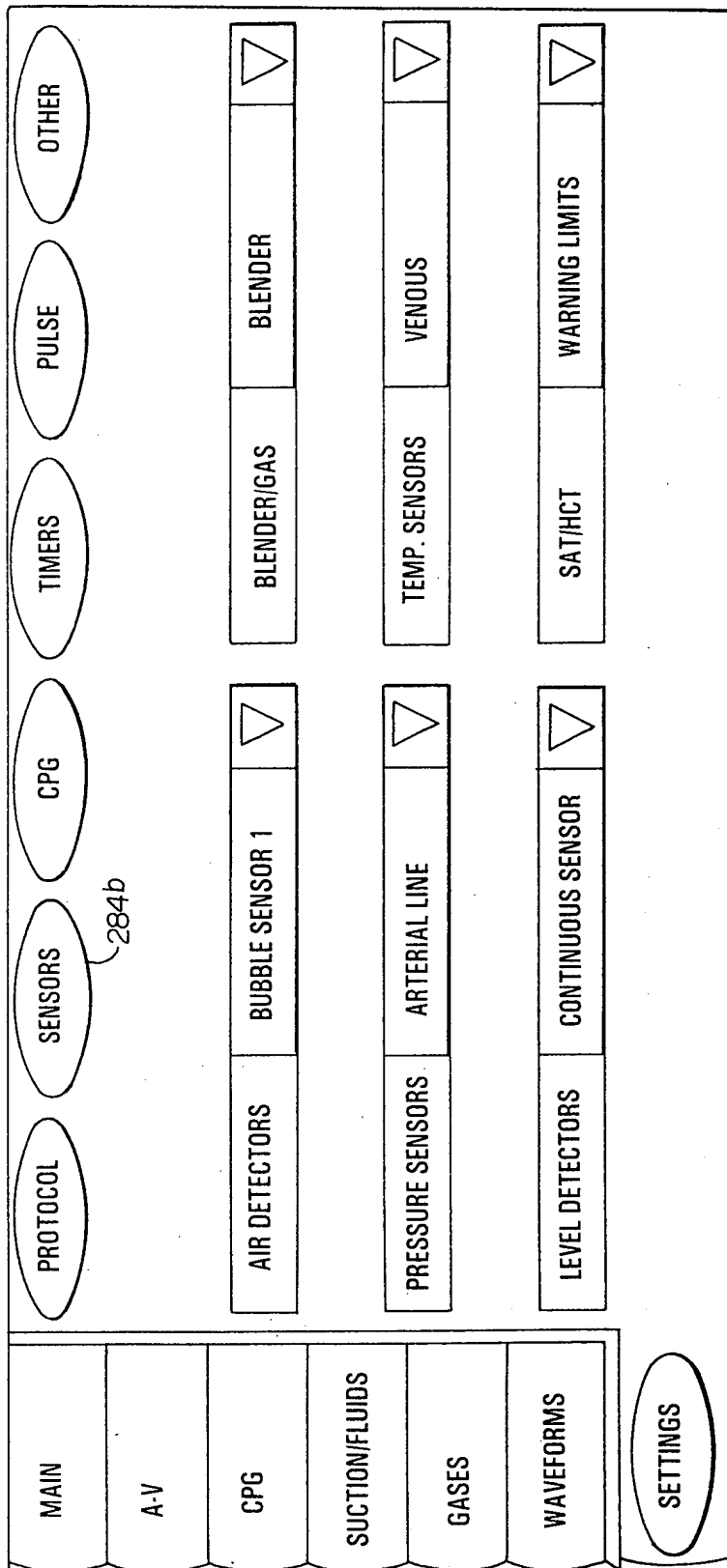


Fig.33C

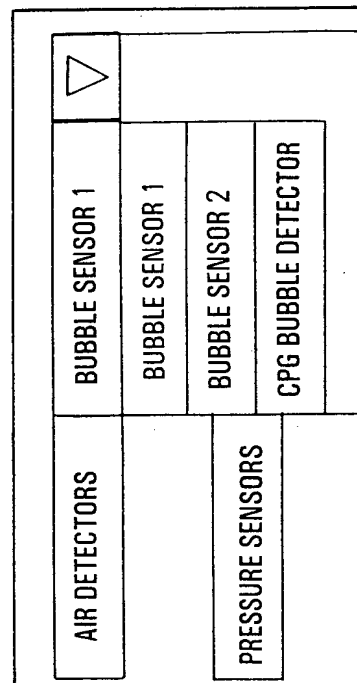


Fig. 33D

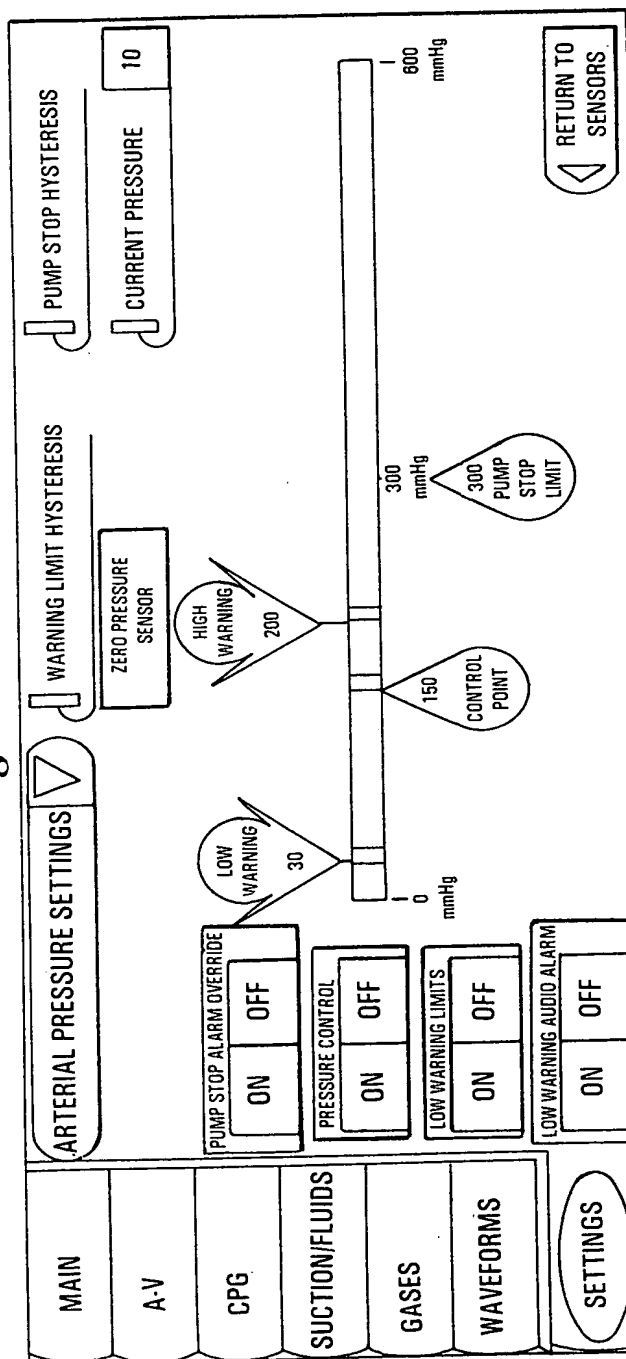
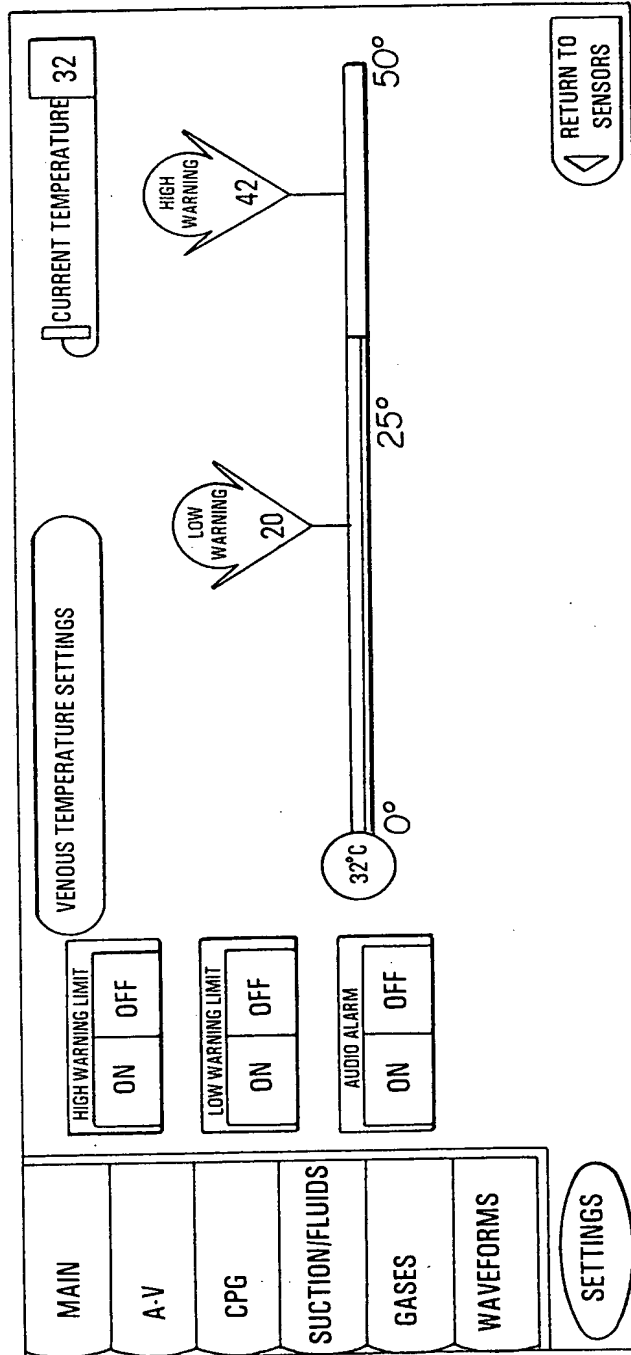


Fig.33E



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Fig. 33F

	PROTOCOL	SENSORS	CPG	TIMERS	PULSE	OTHER
A-V	BAG LOW WARNING ALARM ON OFF	SELECT & MODIFY BAG PRESETS	BAG 1 PRESET 1	500 ml 100 mEq/L	MODIFY	500 ml 100 mEq/L MODIFY
CPG	BAG LOW AUDIO ALARM ON OFF		BAG 2 PRESET 2	500 ml 100 mEq/L	MODIFY	500 ml 100 mEq/L MODIFY
SUCTION/FLUIDS	BAG EMPTY PUMP STOP ON OFF		CONFIGURE BOLUS MODE VOLUME 500 UP DOWN			
GASES	K+ HIGH WARNING ALARM ON OFF					
WAVEFORMS	K+ HIGH AUDIO ALARM ON OFF	SELECT BAG FROM WHICH TO DELIVER 1 2		ANTEGRADE RETROGRADE CRYSTALLOID BLOOD/CRYST. RATIOED ONLY		
SETTINGS						

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